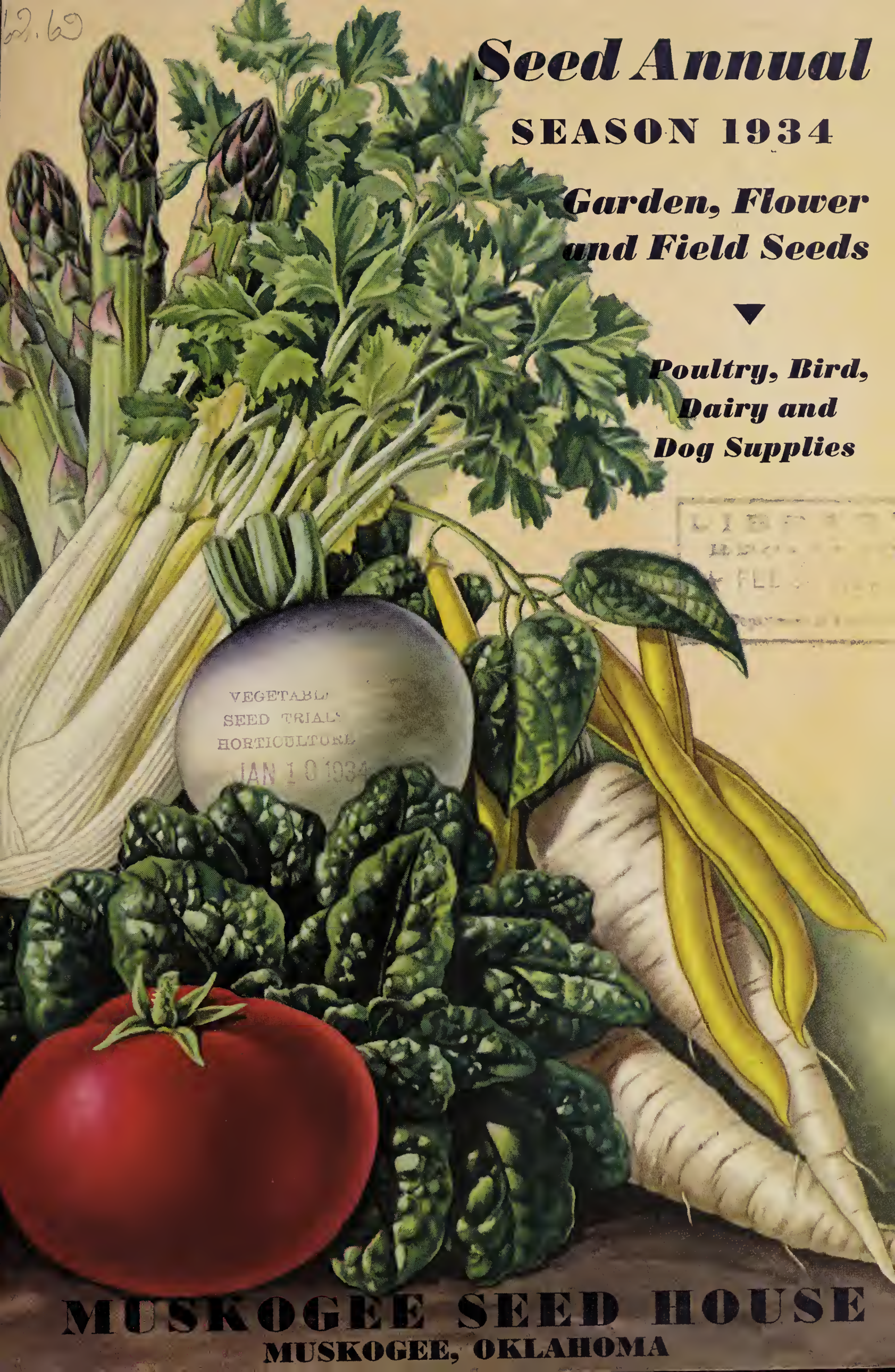


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2.62

Seed Annual

SEASON 1934

***Garden, Flower
and Field Seeds***



***Poultry, Bird,
Dairy and
Dog Supplies***

VEGETABLE
SEED TRIALS
HORTICULTURE
JAN 10 1934

MUSKOGEE SEED HOUSE
MUSKOGEE, OKLAHOMA

The Planter's Guide

NUMBER OF PLANTS REQUIRED TO THE ACRE

Distance Apart	No. of Plants
1 foot by 1 foot.....	43,560
1½ feet by 1½ feet.....	19,360
2 feet by 1 foot.....	21,780
2 feet by 2 feet.....	10,890
2½ feet by 2½ feet.....	6,969
3 feet by 2 feet.....	7,600
3 feet by 3 feet.....	4,840
4 feet by 4 feet.....	2,722
5 feet by 4 feet.....	2,178
5 feet by 5 feet.....	1,742
6 feet by 6 feet.....	1,210
8 feet by 8 feet.....	680

AVERAGE TIME REQUIRED FOR GARDEN SEED TO GERMINATE

Beans	5 to 10 days
Beet	7 to 10 days
Cabbage	5 to 10 days
Carrot	12 to 18 days
Cauliflower	5 to 10 days
Corn	5 to 8 days
Cucumber	6 to 10 days
Endive	5 to 10 days
Lettuce	6 to 8 days
Onion	7 to 10 days
Peas	6 to 10 days
Parsnip	10 to 20 days
Parsley	15 to 21 days
Pepper	9 to 14 days
Radish	3 to 6 days
Spinach	7 to 12 days
Salsify	7 to 12 days
Tomato	6 to 12 days
Turnip	4 to 8 days

NUMBER OF PLANTS PRODUCED FROM AN OUNCE OF SEED

Asparagus	About 300
Cabbage	About 2,000
Cauliflower	About 2,000
Celery	About 3,000
Egg Plant	About 1,000
Endive	About 3,000
Kale	About 2,000
Lettuce	About 3,000
Pepper	About 2,000
Tomato	About 3,000

TIME REQUIRED FOR MATURITY OF DIFFERENT GARDEN CROPS RECKONED FROM DAY OF PLANTING THE SEED

Beans—String	45 to 65 days
Beans—Shell	65 to 75 days
Beet—Table	65 days
Beets—Stock	150 days
Cabbage—Early	105 days
Cabbage—Late	150 days
Cauliflower	110 days
Corn	70 to 120 days
Egg Plant	150 to 160 days
Lettuce—Heading	65 days
Melon—Water	120 to 140 days
Melon—Musk	120 to 140 days
Onion	135 to 150 days
Pepper	140 to 150 days
Radish	30 to 40 days
Squash—Summer	60 to 65 days
Squash—Winter	125 days
Tomato	125 to 150 days
Turnip	60 to 70 days
Spinach, Av. Time	45 to 65 days

QUANTITY OF SEED TO SOW A SINGLE ROW OF 100 YARDS

Asparagus	8 ozs.
Beans, Bush	6 lbs.
Beans, Lima	3 lbs.
Beans, Pole	3 lbs.
Beet	5 ozs.
Broccoli	3 ozs.
Brussels Sprouts	3 ozs.
Cabbage	2 ozs.
Carrots	3 ozs.
Cauliflower	3 ozs.
Celery	3 ozs.
Corn	1 lb.
Cress	4 ozs.
Cucumber	4 ozs.
Dandelion	3 ozs.
Egg Plant	1 oz.
Endive	2 ozs.
Leek	3 ozs.
Lettuce	2 ozs.
Melon, Musk	2 ozs.
Melon, Water	2 ozs.
Mustard	4 ozs.
Okra	3 ozs.
Onion (for large bulbs)	2 ozs.
Onion (for sets)	8 ozs.
Parsley	2 ozs.
Parsnips	2 ozs.
Peas	6 lbs.
Pepper	1 oz.
Pumpkin	2 ozs.
Radish	6 ozs.
Rhubarb	3 ozs.
Salsify	3 ozs.
Spinach	6 ozs.
Squash	3 ozs.
Tomato	1 oz.
Turnip	3 ozs.
Kohl Rabi	3 ozs.



Fresh each Year
High Germ Count

INOCULATE YOUR LEGUMES

Alfalfa, Clovers, Lespedeza, Soy Beans, Cow Peas

Beans, Vetch, Peas . . with

The Original Legume Inoculator

NOBBE-HILTNER PROCESS

NITRAGIN
TRADE MARK REG'D. DEC. 6, 1898 NO. 32212

REDUCED TO

65c per bu. size—Alfalfa, Clovers, Lespedeza

50c per bu. size — Peas, Vetch, Beans,
Aust. W. Peas

35c per bu. size—Soy Beans, Cow Peas

YOU CAN NOW AFFORD TO INOCULATE ALL YOUR LEGUMES WITH DATED, HIGH COUNT NITRAGIN.

For your protection, because Legume Germs are PERISHABLE, every package of NITRAGIN bears the Expiration DATE as well as the Germ COUNT when packed, and the PRICE.

NITRAGIN guarantees Billions of live, fresh and efficient Legume Germs in every package—tells you what you are buying—guarantees full measure. NITRAGIN is always reliable—has served the American Farmer since 1898.

NITRAGIN EASY TO APPLY

NITRAGIN is a regular, MOIST, soil-like culture packed in tins. Easy to apply. Directions on every can.

NITRAGIN—The Original Legume Inoculator—is the lowest priced, high quality inoculator on the market.

NEW REDUCED NITRAGIN INOCULATION PRICES

When ordering always specify kind of seed.

Alfalfa, all Clovers Lespedeza

Size	Price
½ bu.	\$.35
1 bu. ....	.65
2½ bu.	1.40

Soy Beans, Cow Peas

Size	Price
1 bu.	\$.35
2 bu. ....	.65
5 bu.	1.40
10 bu.	2.45

Peas, Vetch, Beans, Austrian Winter Peas

Size	Price
½ bu.	\$.35
1 bu. ....	.50
*1½ bu. ....	.80
5 bu.	2.25

*"100 lb. size" packed only for Vetch and Peas.

Garden NITRAGIN for Peas, Beans, Sweet Peas and Lupines

Can be used on
any amount of
seed, up to 8 lbs.
Price 25c

ALWAYS THE LARGEST—and most widely distributed inoculator in the U. S. A.

ATTENTION!

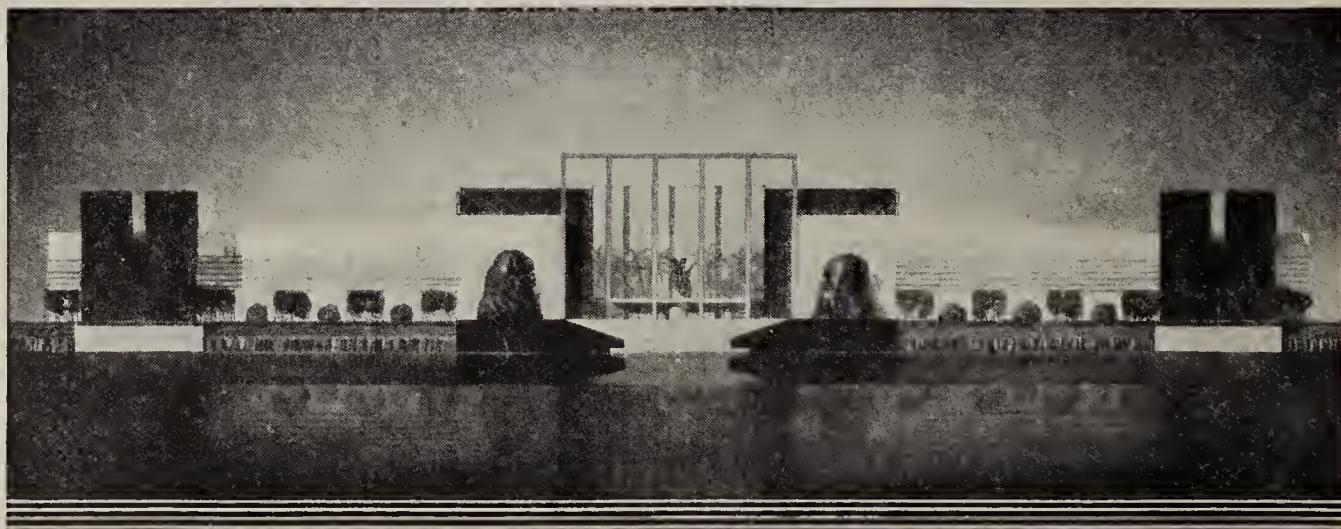
Market Gardeners, Truck Growers, Large Farmers

We urge that you go over the Catalog carefully, make up a list of seeds you need and send to us for prices.

Our years of experience in the seed business have put us in close touch with the grower, and understanding the soil and climate of this section puts us in a much better position to serve you than any outside concern.

We carry a complete line of selected and tested seeds, and can supply your wants, quality considered, at as reasonable prices as any other seed house.

We are here to serve you, and hope you will not hesitate to call upon us.



World's Fair Gardens Fed with VIGORO

Vigoro, the complete plant food, was selected for use on the beautiful exhibition gardens in the Horticultural Building at a Century of Progress. The preference of prominent gardeners in charge for Vigoro bears out our own experience. We have been using it for some time on all of our better work, with excellent results.

Vigoro will bring you gardening success. Just use it according to the directions

which accompany every bag or package. It's economical because you need but four pounds for every 100 square feet of garden area. Especially made for feeding lawns, flowers, shrubs, trees and vegetables by Swift & Company.

PRICES:

100-lb. bag.....	\$4.00	10-lb. pkg.....	\$.85
50-lb. bag.....	2.50	5-lb. pkg.....	.50
25-lb. bag.....	1.50	12-oz. pkg.....	1.00



STIM--PLANT

THE MAGIC PLANT FOOD TABLET

Use it and you have the largest crops of fruit and vegetables and an abundance of the largest and sweetest-scented flowers of intense and vivid colors.

Here is the secret. Science has produced a tablet that is rich in plant food, containing 11 per cent Nitrogen, 12 per cent Phosphoric Acid and 15 per cent Potash, and it is odorless and clean. Compare this analysis with that of any other fertilizer.

It is not applied broadcast but is put at the feeder roots of the individual plants, so there is no waste and you feed the plants that need it. It produces no weeds like ordinary stable manure, so it economizes in labor.

These tablets are the last word in modern garden efficiency—a proven success with rose growers, nurserymen, landscape gardeners, strawberry growers and market gardeners.

Complete directions with every package. Price, postpaid: trial size (10 tablets), 15c; 30 tablets, 25c; 100 tablets, 75c; 1,000, \$3.50.

Perfection Brand Tested Garden Seed

Every lot of Perfection Brand Seed is thoroughly tested for active, abundant, and vigorous life, so that only the most vital product is shipped. The exacting nature of these tests have won the confidence of thousands of Southwestern gardeners who plant Perfection Brand Seeds, and gladly recommend them to their neighbors and friends.



Washington Asparagus

ASPARAGUS

Asparagus is one of the first vegetables in spring, as well as one of the best grown in the garden. It is perfectly hardy, grows year after year from the same roots and never fails to produce a crop. Asparagus does well on any well-drained soil, but the best results are obtained from rich, deep, loamy soil.

WASHINGTON—Rust-Resistant Asparagus. Practically free from rust and other diseases. Stalks are large and thick; dark green with a heavy overcast of rich purple. Has a long tight, pointed bud and does not branch out until well beyond the market height. Unsurpassed in size, yield, appearance and flavor. Seed pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

ASPARAGUS ROOTS

For those who desire to raise asparagus, one of the earliest of the spring vegetables, we suggest the purchase of asparagus roots. These are ready during March, but to be sure of getting them you should reserve your stock now by sending us your order.

Our strong two-year-old roots will give the best results in the shortest time possible.

ROOTS—2-year-old, per dozen, 35c, postpaid; by freight or express, \$1.50 per 100.



GARDEN BEANS SELECTED NORTHERN GROWN

Given moisture, this crop can be planted in the South in succession until the middle of August. A good, sandy loam is the best soil for beans, but they will grow well in any soil of average richness.

The bush varieties should be planted $1\frac{1}{2}$ inches deep in drills 18 inches or 2 feet apart, 2 inches apart in the drill. When the plants are well up, thin gradually to six to eight inches from each other, leaving the strongest plants as much as possible. The pole variety should be planted two or three beans in a hill, two feet apart each way. Give them clean cultivation, mellowing the soil about them, but not going too deep, hilling broad and flat about the time they are to bear. Do not hoe them when wet from dew or rain, as this induces rust of leaves or pods.

A pound will plant 100 feet of drill; 2 bushels, or 120 lbs. to the acre in drills. For a larger yield of Beans, use Nitragin. (See Inside Front Cover.)

TENNESSEE GREEN POD—This dwarf, early, intermediate snap bean is very popular in some sections of the South. The vines are large, somewhat spreading, and prolific. The pods are very long—very often 6 to 7 inches, flat, irregular in shape, bright but rather dark green, and of excellent quality. Pkt., 10c; lb., 30c, postpaid. By express, lb., 20c; 10 lbs., \$1.60.

GIANT STRINGLESS GREEN POD—This is a great improvement on the old-time popular favorite Valentine Bean. The pods are fully one-third longer, averaging 5 and 6 inches in length; absolutely stringless, very crisp, round, full and fleshy. It is enormously productive, its handsome pods being ready for market a few days earlier than the old Valentine. Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.60.



Round Pod Red Valentine



Giant Stringless Green Pod

Locust Grove, Okla.

Gentlemen: I would like your prices on Seeds and Onion Sets. I am in receipt of some prices, but would rather buy close to home. I have used your seeds for 3 years and had no complaint. Hoping for a reply soon. Yours truly,

W. P. CHAPMAN, Merchant.

BURPEE'S STRINGLESS GREEN POD—Splendid for market and home garden. It is stringless in reality as well as name. It is an abundant cropper and the pods are thick, round, fleshy and nearly straight. Ready for picking in 45 days. Lb., 35c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.60.

ROUND POD RED VALENTINE—Pkg., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.60.

FULL MEASURE—Is recommended for home, market gardening and canning. Vines grow about 15 inches, pods 6 inches, round, dark green and stringless. 63 days from planting to table. Lb., 20c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.60.

PINTO BEANS—Used as a shell bean. More prolific than the Navy Bean. Lb., 20c, postpaid. By express, lb., 15c; 10 lbs., \$1.00.

WHITE NAVY BEANS—Pkg., 10c; lb., 20c, postpaid. By freight or express, 10 lbs., \$1.10.

GARDEN BEANS

PENCIL POD BLACK WAX—Rich yellow pods from 5 to 6 inches long; entirely stringless, very meaty and tender. Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.60.

IMPROVED GOLDEN—Very valuable rust-proof strain of the Golden Wax which stands drouth remarkably well. Pkt., 10c; lb., 20c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.60.

CURRIE'S RUSTPROOF WAX—Pkt., 10c; lb., 30c, postpaid. By express or freight, per lb., 20c; 10 lbs., \$1.60.

POLE OR RUNNING BEANS

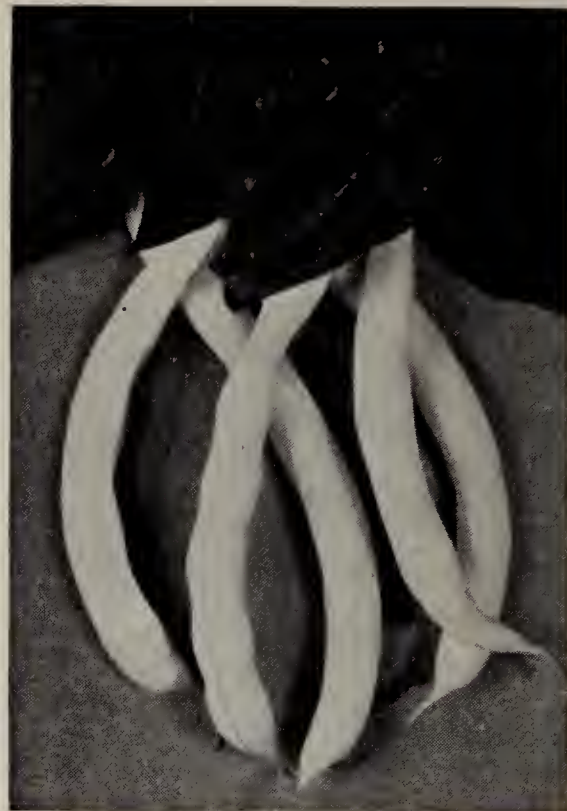
A word about Pole Beans. Many growers hesitate to plant pole beans because of the scarcity of poles. This objection is easily overcome and the greater profit in growing the pole varieties should be sufficient reason for going to a little extra care. Plaster laths will answer the purpose and cost very little.

KENTUCKY WONDER WAX—This remarkable vigorous-growing, wax-podded pole bean is very similar to the green-podded Kentucky Wonder, but the very long pods are a little broader, very fleshy, and quite stringless as snaps. Pkt., 10c; lb., 35c, postpaid. By freight or express, per lb., 25c; 10 lbs., \$2.25.

IDEAL MARKET POLE BEAN—Not only is the Ideal Market the earliest pole bean we are acquainted with, being ready for the market with the dwarf varieties, but it is one of the most productive. The long, nearly stringless, pulpy green pods are borne in immense clusters and are of delicious quality. Pkt., 10c; lb., 35c, postpaid. By freight or express, lb., 25c; 10 lbs., \$2.25.

CUT SHORT or CORNFIELD—Green beans; resembling those of the Bush Valentine dry beans, red-speckled. Pkt., 10c; lb., 30c, postpaid. By freight or express, 20c per lb.

DUTCH CASEKNIFE—One of the earliest of the pole varieties; white seeds; used for snaps; good green or dry; a good winter sort, productive, and a good bean for planting among corn. Pkt., 10c; lb., 30c, postpaid. By freight or express, 20c per lb.



Improved Golden Wax



Kentucky Wonder

OCTOBER or HORTICULTURAL—A popular and productive variety for use as snaps or as shell beans. It is especially adapted for mountainous districts or where the season is short. Per lb., 30c, postpaid. By freight or express, 20c per lb.

KENTUCKY WONDER GREENPOD—Brittle, stringless, meaty, delicious flavor. The plants are vigorous climbers; pods are borne profusely in clusters; they average from 7 to 9 inches long; are of attractive green color; round and very brittle when young. Pkt., 10c; lb., 30c, postpaid. By freight or express, 20c per lb.; 10 lbs., \$1.70.

WHITE CREASEBACK—Large, long pods, growing in clusters of from 6 to 12, of a silvery green, of the best quality of snaps. A good cornhill bean. Pkt., 10c; lb., 30c, postpaid.

DWARF LIMA BEANS

Plant when ground is dry and weather is warm in rows 2 feet apart, dropping the beans 6 inches apart in the row, eye down, covering with 1 inch of soil. One pound will plant 100 hills.

BURPEE'S BUSH LIMA—The stout, erect bushes grow from 18 to 20 inches high and 2 to 3 feet in diameter. They are laden with large, luscious beans. Pkt., 10c; lb., 35c, postpaid. By freight or express, lb., 25c.

HENDERSON'S BUSH LIMA—This is the earliest variety, being fully two weeks ahead of any other sort in maturing. The beans are small and very fine for canning. Pkt., 10c; lb., 30c. By express or freight, lb., 20c; 10 lbs., \$1.50.



JACKSON WONDER BUSH LIMAS—It is of true bush form, about 2 feet high, bearing greatest profusion of broad, flat pods, each having from 3 to 5 medium-sized flat, handsomely speckled beans, which cook quickly and are of superior flavor. Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.75.

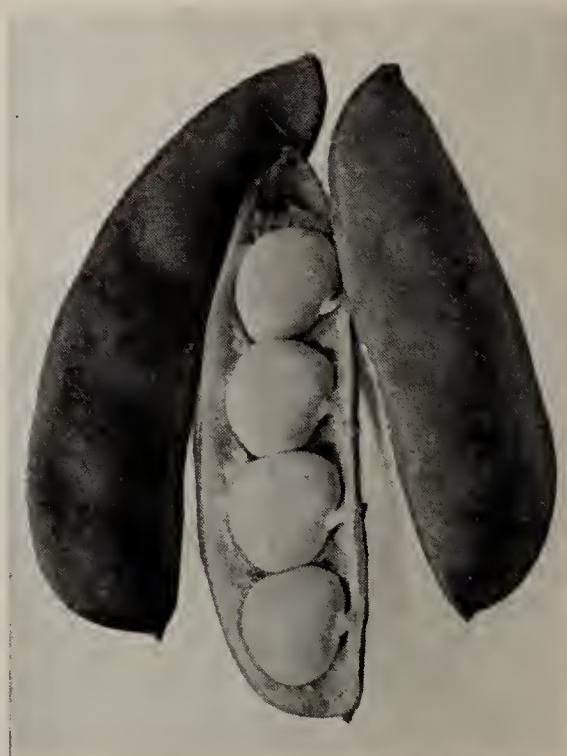
POLE LIMA BEANS

CAROLINA or SIEVA POLE—(Small White Lima)—Vigorous variety; very early and productive. Pods are short, flat and curved; beans white, small and kidney-shaped. Pkt., 10c; lb., 35c, postpaid. By freight or express, lb., 25c.

KING OF THE GARDEN—(Large White Lima)—An improved strain of the large white, of more prolific character and with larger pods and beans. Pkt., 10c; lb., 35c, postpaid. By freight or express, 35c per lb.

SPECKLED POLE LIMA—The most prolific of the Pole Limas. Seeds are about the size of the Sieva, but are speckled white and brownish red. Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 25c; 10 lbs., \$2.00.

If you want one peck (15 lbs.) or more Beans, write for prices.



Henderson's Bush Lima

Dear Sir: Send to me your seed catalogue and catalogue describing Germa-Co Hot Caps. Resp., H. CLAY SHIELDS.

P. S.: Who sells your seeds in Claremore? I have been planting your seeds for 20 years around Tulsa, Jenks and Bristow and was never disappointed in anything I planted. We have bought us a home at Claremore and I want to plant your seeds. Resp., MRS. H. C. SHIELDS.

Claremore, Okla.

Perfection Brand Delicious Beets



Crosby's Egyptian

Get plenty of beet seeds, an ounce, and plant a week and a half apart until mid-summer for baby beets. Same for carrots.

BROCCOLI

To have them early plant in a hotbed when you plant cabbage and set out when large enough; or plant outside the last of March, transplanting them 2 feet apart in rows.

ITALIAN GREEN SPROUTING—This variety develops in about 90 days, producing a large head, like cauliflower, consisting of a compact cluster of bluish-green flower heads. When the central head is removed the plant produces many branches, each bearing small heads. These are cut with 3 or 4 inches of the branch attached and tied in bunches for market. The stems as well as the flower heads are cooked and served like cauliflower. Pkt., 10c; oz., 50c, postpaid.



Swiss Chard

Beets grow in moderately light, sandy soil. For very early crops, sow Crosby's or Eclipse in hot-beds and transplant the seedlings as soon as the weather is warm enough into open ground; for regular crop, plant outside as soon as the ground is in good condition; plant in drills 12 to 15 inches apart and cover about 1 inch deep. When the seedlings are 4 to 5 inches high, thin them out to stand 4 to 5 inches apart in the row. An ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre.

EARLY WONDER—A very early dark red beet similar to Crosby's Egyptian. Its earliness and deep color make it a favorite with the market gardeners. The taproots are small and the roots are of a desirable shape for bunching. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 75c, postpaid.

DETROIT DARK RED—Very popular sort used extensively by market gardeners as well as private planters. It matures early, and the roots are of splendid shape and good color. The tops are small and upright-growing, which makes possible close planting. The roots are globular and smooth, the skin is dark blood red, the flesh red with lighter zones. The beets are very tender, firm and crisp, and remain so for a long time. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 75c, postpaid. By freight or express, 60c per lb.

EARLY BLOOD TURNIP—Coming in at the same time as the small flat Egyptian, it is much larger and almost globe-shaped—a much better beet for every purpose. It is fine-grained, very tender, and of good, sweet flavor. The color of the flesh is a rich red, tinged with crimson. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 75c, postpaid. By freight or express, 60c per lb.

CROSBY'S EGYPTIAN—The market gardener's favorite. Fine, globe-shaped roots. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 75c, postpaid. By freight or express, 60c per lb.

EARLY FLAT EGYPTIAN—The best variety for first early crop. Roots dark red, rounded on top, flat underneath. Small tops. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 75c, postpaid.

ROOT CROPS FOR STOCK AND POULTRY

Mangel Wurzel are listed under Farm Seeds. See page 33 of this catalog.

SWISS CHARD OR SPINACH BEET

This delicious and useful vegetable should be in every garden and on every market stall. It is really two distinct vegetables. First the leafy part of the foliage is cooked and served the same as spinach, while the stalks are cooked and served with drawn butter, like tender asparagus. It grows about 2½ feet high. The stalks are thick and broad like rhubarb; the leaves are large and heavily crumpled, like Savoy Spinach. Crisp and tender, pleasing flavor. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c, postpaid. By freight or express, 75c per lb.

A row of Swiss chards will keep the table supplied all summer if the plants are given opportunity to develop by being spaced 8 inches apart. The leaves should be cut and allowed to grow again for a continuous supply. It is not necessary to pull the entire plant up as with the beet root. They will grow even in partially shaded spots and give a fine supply of "greens" even in rather poor soil. The better the soil the better the leaf growth.

BRUSSELS SPROUTS

Brussels Sprouts are a very delicate vegetable, and deserve a more general cultivation than they receive. The plant belongs to the cabbage family and should be grown and cultivated like miniature cabbages. Very hardy; improved by frost. An ounce will produce 2,000 plants.

DWARF IMPROVED—Bearing a small crop of small, solid, and tender heads. Pkg., 5c; oz., 15c, postpaid.

CRESS

Sow curled or pepper grass thickly in shallow drills every two weeks. It should be cut often, and will continue to grow. Useful for salad and garnishing.

EXTRA CURLED or PEPPER GRASS—Quick-growing and crisp, pungent flavor. Does well in dry soil. Pkt. 5c; oz. 20c.

CORN SALAD

CORN SALAD—Use for "Greens" like Spinach or as a salad. Can be sown in the spring and fall. Succeeds best when sown in the early spring and in August. Can be sown in September and wintered like Spinach if given a little protection.

Large Round Leaved—The best variety. Matures in 4 or 5 weeks. Pkt. 5c; oz. 15c; ¼ lb. 35c.

DILL

Every year there is such a demand for green dill that the supply is short of the demand. Plant in any quantity, from ten feet square to fifty feet square, but not more. Make several plantings to have it for market almost constantly and sell what you can of the green dill and dry the balance. First planting may be made about May 1st. Packet will plant three feet square; an ounce will plant 10 by 15 feet. Pkt. 10c; oz. 20c.

Dear Sir: I will enclose 40c in 2c stamps for which please send me that amount in Red Top Globe Turnip Seed. Mr. Napier, on my farm, says he has never been able to get the Red Top from any one but you. With my kindest regards and best wishes for you. I am, yours very truly,
C. H. BOYD.

Perfection Brand Tested Cabbage Seed

Soil for Cabbage should be a rich heavy loam, with good drainage. Such a soil when supplied with a liberal quantity of stable manure and complete fertilizers will produce excellent crops.

EXTRA EARLY VARIETIES

TRUE EARLY JERSEY WAKEFIELD—Small, cone-shaped head; matures in from 90 to 100 days after planting. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.

CHARLESTON WAKEFIELD—Selection from Early Jersey Wakefield, only it is about one week later than that popular variety, and grows larger heads. Very solid and of fine quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.

COPENHAGEN MARKET—The earliest large round-headed cabbage. Very popular with market gardeners. An extra early summer cabbage, matures fully as early as the Early Jersey Wakefield, but produces larger heads, often averaging 10 pounds or more. The heads are ball-shaped, mild and firm, with small core, and of splendid quality. Leaves are of light green color, tightly folded together, forming a very compact head. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c.

GOLDEN ACRE—Very early, of the Copenhagen type, flat head, but about eight days earlier than the Copenhagen. This extra earliness assures higher prices for the market gardener—and more tender, more crisp, and better flavored cabbage for the table. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., \$1.00, postpaid.

SECOND EARLY VARIETIES

ALLHEAD EARLY—An early flat variety, with remarkably solid heads, which have few outside leaves. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.

EARLY FLAT DUTCH—A selected strain; forming large flat heads. weighing at times 10 to 12 pounds. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.

ALL SEASONS—One of the best of its class. The heads are fine, solid and of good flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.



Charleston Wakefield



Early Flat Dutch

SLUG SHOT kills cabbage worms, also cucumber, melon, squash, and potato bugs. Contains nothing in the least injurious. 5-lb. pkg., not prepaid, 70c.

LATE VARIETIES

PREMIUM LATE FLAT DUTCH—Of good flavor and very tender; among the earliest of the winter cabbages. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

SUREHEAD—Strain of flat Dutch; remarkable for its heading qualities; keeps well and is good for shipping. The heads are of uniform size, firm and of good color. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.

HOLLANDER, or DUTCH BALLHEAD—Of vigorous, compact growth, with stem rather longer. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. 90c, postpaid.

MAMMOTH RED ROCK—The best red cabbage for pickling or table use. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 75c, postpaid.

PE-TSAI CHINESE OR "CELERY" CABBAGE—Pe-Tsai produces beautiful, crisp, celery-like heads that blanch easily and resemble a giant Cos lettuce. As a salad, it rivals the finest lettuce, while cooked like cabbage or spinach it makes delightful "greens". Early sowing is not recommended, as during hot weather it has a tendency to run to seed without heading. Sow seed in any good soil the first of August, making rows 24 to 36 inches apart and thinning to 15 inches apart in the row. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid.

COLLARDS

GEORGIA—An old stand-by in the South. For winter greens it has no equal; not in the best condition until touched by frost. Sow in July or August, transplant in rows, setting them 2 feet apart. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c, postpaid.



Georgia Collards

CAULIFLOWER

It requires a cool, moist season for its best growth, a constant supply of soil-moisture, and rich, loamy land, well fertilized. Cultivation is the same as cabbage. One ounce will produce from 800 to 1,000 plants.

EARLY SNOWBALL—Under favorable conditions every plant produces a magnificent white head of fine quality. Pkt. 10c.

CELERY

Seed should be sown in February in hot-beds or in flat boxes filled with clean, mellow loam, with about one-eighth inch of fine soil or sand, pressing it down firmly. Keep the soil moist constantly. When plants are fairly out of the seed leaf, transplant into another box or bed, or thin out to 2 or 3 inches apart. Plant into the open ground by the last of May or the beginning of June. One ounce will sow 300 feet of drill.

WHITE PLUME—The earliest and most easily blanched sort. While the inner stalks and heart are of pure white color without being blanched, yet the outer stalks should be tied up and the soil drawn around them, so as to produce attractive bunches. Pkt. 10c; oz. 30c.

GOLDEN SELF-BLANCHING—The plants are compact, semi-dwarf habit and form numerous stalks. They are heavily ribbed, of golden yellow color, very crisp and tender. Pkt. 10c; oz. 40c.

CELERIAC, or TURNIP-ROOTED CELERY—Pkt. 10c.

Perfection Brand Improved Carrots

Carrots grow best in rich, deep sandy loam, well pulverized and deeply cultivated. Sow in March or April, in drills 15 to 18 inches apart and about one-half inch deep, thinning out the seedlings to 4 inches in the row. One ounce will sow 100 feet of row; 3 or 4 pounds to the acre.



Danvers Half Long Carrots

CARROTS

EARLY SCARLET HORN—This variety is the first ready for the table in the home garden. The tops are small, dark green. The orange-red roots are short and top-shaped, and when picked while young they are very tender. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., 95c, postpaid.

DANVERS HALF LONG—An excellent market variety of medium size. The roots are of a rich orange-red color, smooth, and very handsome. Produces a very large crop. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 95c, postpaid.

LONG ORANGE—The best late variety for general field culture. It keeps very well, and is therefore excellently adapted for winter use. Pkt., 5c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. 95c, postpaid.

OXHEART, or GUERANDE—Of fine table qualities. It is the most desirable sort for growing in soils too hard and stiff for the longer varieties, as it does not grow over 6 inches long, and is easily pulled by hand. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. 95c, postpaid.

EARLY CHANTENAY—A fine bunching carrot. One of the best early sorts, maturing between the Oxheart and Danvers. The carrots grow about 6 inches in length, stump-rooted, very smooth, deep red, fine-grained, sweet and sugary. Market gardeners should grow these for their main early crop. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. 95c, postpaid.

RICE'S CORLESS—The most strikingly handsome early carrot we are acquainted with. Roots are deep orange in color, exceptionally smooth, cylindrical in form, 6 inches in length by $1\frac{1}{2}$ inches in diameter. Free from woody heart or core and of the highest quality. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c, postpaid.

LARGE YELLOW BELGIAN—For stock. Grown exclusively for stock feeding. Roots about 20 inches long, broad and pointed; light orange below the surface, green above. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 65c, postpaid.

PERFECTION BRAND ENDIVE

ENDIVE FOR GREENS AND SALADS—Culture: For late spring and summer use, sow the seed in open ground during February or March. For fall use sow in July or August. Requires about 60 days to make a crop. This is a fine salad crop for your garden, and the leaves are used for garnishing and flavoring soup; the young leaves are delicious when cooked as greens. Use a packet to 25 feet of drill; an ounce to 150 feet; 4 to 5 pounds per acre.

IMPROVED GREEN CURLED—Finely fringed leaves of bright green color; tender and crisp when blanched. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c, postpaid.

PERFECTION BRAND EGG PLANT

Seed should be started in February, in boxes in the house. Always keep the ground warm and moist, and protect the young plants. Transplant into a rich, loamy soil when all danger of frost is past. One ounce will produce about 1,000 plants.

NEW YORK IMPROVED PURPLE—One of the best and largest varieties in cultivation. The plant is robust, low-growing, branching freely, and bears long, oblong-shaped fruits. Pkt. 10c; oz. 75c, postpaid.



Black Beauty Egg Plant



Kohl-rabi

BLACK BEAUTY—Ten days or two weeks earlier than the preceding, with fruits just as large, of a uniform and rich, lustrous black color. Pkt. 10c; oz. 75c, postpaid.

KALE OR BORECOLE

Loose, curly leaved type of the cabbage family; particularly noted for its hardiness. It makes excellent tender greens for winter use. In the South the hardy variety remains in the open ground all winter. Cultivated the same as cabbage. One ounce of seed is sufficient for 200 feet of drill.

EARLY CURLED SIBERIAN—The plant is dwarf, spreading, and very hardy, standing the winter without protection. The leaves are green, slightly tinted with purple, and of superior quality. Oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 75c, postpaid. By express, 50c per pound.

KOHL RABI

Grown for its thick, bulb-shaped stalks, which, while young, are prepared in the same manner as turnips, and which furnish a most desirable vegetable. Sow the seed in the spring in drills half an inch deep and two feet apart and when plants are a few inches high thin to 15 inches. Cultivate the same as for beets. One packet will sow about 30 feet in drill.

EARLY WHITE VIENNA—Pkt. 5c; oz. 15c, postpaid.

EARLY PURPLE VIENNA—Pkt. 5c; oz. 15c, postpaid.

HORSERADISH

Grown for its roots, which have a pungent mustard-like flavor. Small pieces of roots, 4 to 5 inches long, are planted for propagation. Plant in rich ground—the richer the better. 35c per dozen; \$2.50 per hundred.

Perfection Brand Sweet Corn



Barden's Wonder Bantam

Corn, like anything else well worth having, takes a little care to produce. A few rows of corn will supply the average home with plenty of fine roasting ears and enough over for canning and drying to last through the winter. Be sure and plant Sweet Corn every ten days or two weeks and you will have a continuous supply of table corn in the right stage to enjoy the eating of it.

ADAMS EXTRA EARLY—A great favorite with those who wish the first corn of the season. Produces short ears, filled with tender, white kernels of fine flavor. Pkt. 10c; lb. 25c, postpaid. By freight or express, lb. 15c; 10 lbs. \$1.10.

ADAMS EARLY—Has larger ears than the preceding; very popular in the South. Pkt. 10c; lb. 25c, postpaid. By freight or express, lb. 15c; 10 lbs. \$1.10.

TRUCKER'S FAVORITE—For a second early corn to follow Adams Early, or for late planting to mature early, this is a good sort. In addition to being a fine corn, it makes an excellent field corn to plant late. Lb. 25c, postpaid. By freight or express, lb. 15c; 10 lbs. \$1.10.

GOLDEN BANTAM—A new early sweet corn, considered by many people the richest and sweetest of all corns. Some of our customers who prefer this sort to all other kinds are planting it at regular intervals all during the season, so they may have a continued supply for their table. The stalks are of medium size, with heavy foliage, for forage. The ears are borne two to a stalk about 6 inches in length and are eight-rowed. The kernels are of golden yellow color, which at first gives the impression

of field corn. However, as soon as tasted there is immediately a call for more. Pkt. 10c; lb. 30c, postpaid. By freight or express, lb. 20c; 10 lbs. \$1.70.

STOWELL'S EVERGREEN—The ears are large; have fifteen or more rows of deep, luscious kernels, and remain tender and fit for use longer than any other sort. Pkt. 10c; lb. 30c, postpaid. By freight or express, lb. 20c; 10 lbs. \$1.70.

BARDEN'S WONDER BANTAM—An eight-row corn that is a decided improvement over the Golden Bantam. Has all the toothsome qualities of looks and taste, but the ears are larger (eight to ten inches long), and set up higher on a more sturdy stalk, from 5 to 6 feet high. It is as early as the Golden Bantam, more vigorous and productive. Our stock of seed is direct from the originator. Pkt. 10c; lb. 30c, postpaid. By freight or express, lb. 20c; 10 lbs. \$1.70.

COUNTRY GENTLEMAN—The most delicious of the late sorts. The medium-sized ears are covered with irregularly arranged, deep, sweet kernels. Very prolific, and well liked in some localities, where it is sold on the market as the "Shoe Peg". Pkt. 10c; lb. 30c, postpaid. By freight or express, lb. 20c; 10 lbs. \$1.80.

Perfection Brand Improved Cucumber

Plant as soon as the weather has become settled and warm, in hills 4 feet each way. Cucumbers succeed best in warm, moist, rich, loamy soil. Prepare the hills by mixing a shovelful of well-rotted manure with the soil; plant the seeds about half inch deep. When all danger of insect attack is over, thin to about three or four of the strongest plants to the hill. Do not allow any fruit to ripen on the vines, as this will cause them to stop bearing.

EARLY FORTUNE—One of the best cucumbers for the market. Fruit is slightly tapering and about nine inches long. The firm, crisp, thick flesh is very white and has very few seeds. Early Fortune has a rich, dark green color which does not fade when shipped to distant markets. The vines are vigorous, very productive and blight resisting. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.00, postpaid.

JAPANESE CLIMBING—The strong vines, throwing out numerous tendrils, can be trained upon a trellis or poles, which will insure earlier ripening and a straight, handsome form in the large fruits. Pkt. 5c; oz. 15c, postpaid.

CHICAGO PICKLE—Largely used by pickle manufacturers. Prolific, short, with fruit of medium size, dark green color, and with prominent spines. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c, postpaid.

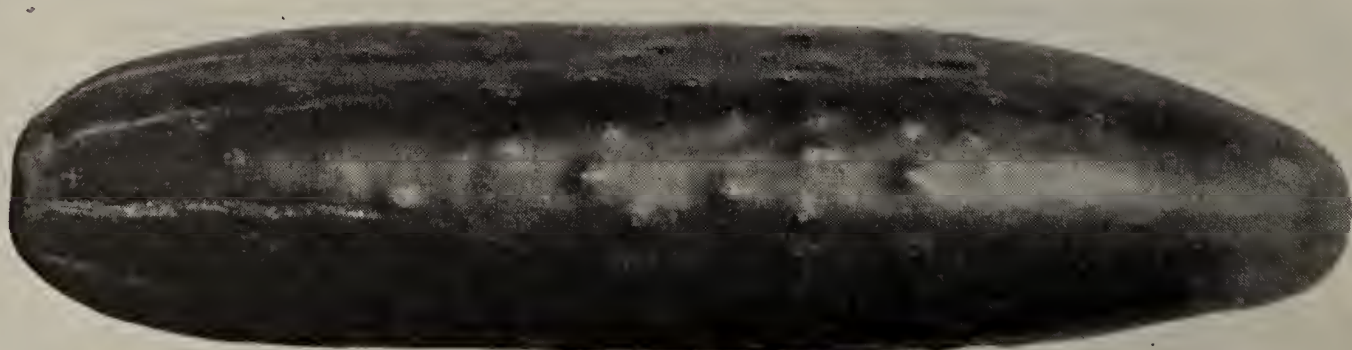
IMPROVED KLONDIKE WHITE SPINE—The vines are very vigorous and productive; the fruit is of an attractive, deep glossy green color, with light spines running from blossom end. Most desirable for the market use. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c, postpaid.

EARLY CLUSTER—Extra prolific sort; setting its fruits in clusters of two or three. The fruit is a dark green, short and particularly suitable for pickles. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c, postpaid.

WEST INDIA GHERKIN—A very prolific, small fruited variety, used exclusively for pickling. It is not properly a cucumber, and is of no value for slicing. The fruits are 2 to 3 inches in length, thick and rounded, closely covered with spines. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 40c.

IMPROVED LONG GREEN—Most widely cultivated sort; unsurpassed for general use. The cucumbers average 10 inches long when fully developed, and are fine for slicing. The smaller fruits make excellent pickles. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.00, postpaid.

DAVIS PERFECT—A superb variety. Dark glossy green, slim and symmetrical with an average length of 10 to 12 inches. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine as seeds are very soft when fit for table use. Very tender, brittle, and of exceptional flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c.



Early Fortune Cucumber

Perfection Brand Lettuce



Early Curled Simpson

PARIS WHITE COS—The Cos lettuce differs entirely in shape from the other varieties, the head being elongated and of a conical form, 8 to 9 inches in height and 5 to 6 inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 50c, postpaid.

EARLY CURLED SIMPSON—Forms close, compact bunches of effectively curled leaves. Pkt. 5c; oz. 15c; ¼ lb. 40c, postpaid.

NEW YORK—A favorite variety. Heads very large, heavy and compact. Has a vigorous root system, which enables it to stand hot weather better than other varieties. The interior is beautifully blanched, creamy white, crisp and tender, and free from any bitterness. Pkt. 10c; oz. 25c; ¼ lb. 65c, postpaid.

IMPROVED HANSON—One of the best for growing during the hot summer months, as it will stand heat and dry weather to perfection. Light green color outside and white within; tender, crisp. Pkt. 5c; oz. 15c; ¼ lb. 35c, postpaid.

BIG BOSTON—Very distinct variety, grown largely in the South as a winter lettuce. Light green color and quite tender when well grown. Outside it is a less distinctive heading sort, the plants bearing vigorously, growing to a good size and forming loose heads. Pkt. 10c; oz. 20c; ¼ lb. 40c, postpaid.

PRIZE HEAD—The outer leaves are bright and green, shaded with brownish red. They are large and thin, attractively curled, and very tender. Pkt. 5c; oz. 15c; ¼ lb. 40c, postpaid.

DENVER MARKET—This is a fine, crisp, crimp-head variety. Pkt. 5c; oz. 20c; ¼ lb. 40c, postpaid.

BLACK SEEDED SIMPSON—Makes large bunches of curly, crisp leaves. Pkt. 5c; oz. 15c; ¼ lb. 40c, postpaid.

GRAND RAPIDS—The well-known forcing variety for the Middle West, where the butterheads or cabbage varieties do not grow very well under glass. It is a loose-branching variety, forming no definite head; is extremely curly, and its light green color is very attractive. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

CHICKEN LETTUCE—The plant grows very much like kale, to a height of four or five feet, with much growth of leaf. It is used mainly for chicken and rabbit feeding. It does not head and it is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. 95c.

Cantaloupes or Muskmelons

A warm, sandy loam is best for raising melons. Plant early in the spring, 8 seeds in each hill. After they are well started thin to about 3 plants to each hill. An ounce will plant 60 hills; 2 or 3 pounds to the acre. We strive to supply melon seed of the highest quality. We have them grown where they reach the highest point of perfection by the most reliable growers, and are in a position to offer strains far superior to the commonly sold commercial grades. Many testimonials from thoroughly pleased customers show that our efforts to supply only the best are appreciated.



Hearts of Gold

OSAGE, or MILLER'S CREAM—One of the finest and most popular salmon-fleshed Muskmelons. The fruits are large, usually nearly three times the size of the Rocky Ford, with skin moderately netted and of oblong shape. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c, postpaid.

ROCKYFORD—This is the melon that made Rockyford famous. The flesh is green, very deep, solid and sweet, and can be eaten close to the rind. The seed cavity is very small. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c, postpaid. By freight or express, lb. 70c; 10 lbs. \$6.00.

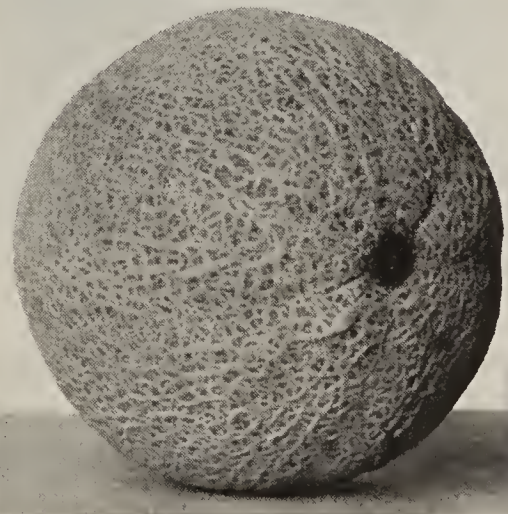
HALE'S BEST—The earliest type of Salmon Tint Rockyford Cantaloupe. Grown very extensively in the Imperial Valley. It can be distinguished by being the first in the market and a good proportion of them show considerable of the longitudinal crease in the net. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.40, postpaid.

HEARTS OF GOLD—This melon runs very uniform in size and is a splendid shipping variety. The melons are oval to oblong in shape and are a little larger than the Rockyford. While it is a ribbed melon the ribs are not prominent and the melons are very heavily netted. The flesh is rich orange color, fine grain and of excellent flavor. Seed cavity is small. It doesn't turn yellow when ripe, but retains its natural green color and remains solid and firm for days after it is picked from the vine. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40, postpaid.

PERFECTED PERFECTO—Undoubtedly the "last word" in the Rockyford type of shipping cantaloupe. It has commanded the highest price in every market. Its appealing, deep orange flesh is its distinctive characteristic; the flesh is most solid, with the smallest seed cavity of any type. The fruits are remarkably uniform in size and shape, nearly round, densely covered with hard gray netting. The rich, deep orange flesh is fine grained, ripening close to the rind, juicy, melting, wonderfully sweet and of spicy flavor. It is an outstanding early market variety, highly recommended for its hardiness, prolificness, deep rich orange-tinted flesh, unexcelled eating and shipping qualities. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.40, postpaid.

HONEY DEW MELON—The fruits are of medium size, round or slightly oval, 5 to 6 inches in diameter and weigh about 6 pounds each. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. If picked shortly before mature the fruits will keep for several weeks. Matures about two weeks later than Rockyford. Pkt. 5c; oz. 20c; ¼ lb. 40c; lb. \$1.00.

IMPROVED BANANA—Produces fruit of the finest quality, 1½ to 2½ feet long; rind thin and comparatively tough; flesh of a beautiful reddish salmon color, of excellent flavor; withstands the heat to perfection; fine for family use. Pkt. 5c; oz. 20c; ¼ lb. 40c, postpaid.



Perfecto Cantaloupe

Perfection Brand Delicious Watermelon

Our watermelon seed is grown especially for us in the South and selected from the very best melons. Southern-grown watermelon seed is always the best and the quality of the melons the very highest, as has been proven. A trial order will convince you our seed is first-class in every respect.

IRISH GREY—Is a distinct and very valuable melon, producing more good merchantable melons under the same conditions than any other variety, the eating quality is all that could be desired in a watermelon, the sparkling red flesh is very sweet and entirely free from hard center or stringiness, yet the flesh is very firm and compact and will not break when sliced. The size is uniformly large. Color of rind, yellowish grey, and almost as tough as that of the citron, ripens earlier than Tom Watson, and will keep in good condition for a long time after picking, and stand long distance shipping better than any other melon. Another important feature, the melon will not sunburn and will keep in good condition for several days in the sun after becoming ripe, while all dark melons will blister yellow on the top, which renders them unsalable. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c, postpaid.

THURMOND GRAY—It is a good producer, stands wet weather well, and so far has not been subject to the diseases that have damaged other melons. This new melon is long and thick. The rind is of a rich greenish-grey color, which makes it difficult to sunburn. It is wilt resistant. It is very uniform in growth, being the same size at each end, and makes the most perfect car pack of any of the shipping varieties. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 85c, postpaid.

CHILIAN—This melon quickly became popular in California where it originated, and gains favor wherever grown. The flesh is crisp, fine grained, very sweet, and of an attractive red color. Melons are medium small, round, skin deep green faintly mottled and striped with lighter shade. Medium early. Thin rind. Pkt. 5c; oz. 15c; ¼ lb. 35c, postpaid.

IMPROVED KLECKLEY'S SWEET—One of the earliest, best and sweetest flavored melons in cultivation. On account of its thin rind, it will not stand shipment to distant markets, but it is the best that can be grown for the home and near-by markets. The skin is dark green. The flesh is scarlet, firm, solid and of delightful flavor. Pkt. 5c; oz. 10c; lb. 80c; 10 lbs. \$7.00, postpaid.

HALBERT'S HONEY—A Texas melon which closely resembles Kleckley's Sweet, but darker color and even and regular in shape. Cannot be shipped a great distance, as the rind is very brittle, but it is unsurpassed for home market and family use. It grows from 15 to 30 inches long, is dark green, slightly ridged, and blunt at the blossom end. The meat is as sweet as honey, melting, and leaves no trace of pulp. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

TOM WATSON—The most popular shipping melon grown. The melons are large, long and dark green, like Kleckley's Sweet, but with a tougher rind, giving it excellent shipping qualities. The flesh is a rich red, solid, sweet, and luscious, and ripens up close to the rind. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10-lb. lots, \$6.00, postpaid.

NEW WONDER—It is all its name implies. Is well adapted to Southern conditions and for a shipping melon it can't be beat. The rind is tough and will withstand rough handling in transit, besides being a heavy cropper. It is a large, long, dark green melon, faint stripes, making a quick seller on the market. Flesh red, very crisp, solid and early. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.

ARNELL WATERMELON—Originated by Mr. Arnell of Tulsa County. The rind is mottled greenish gray, flesh red and of excellent quality. The

rind is tough, making an excellent shipping melon, is productive and uniformly oblong in shape. Price, 15c per oz.; ¼ lb. 40c; ½ lb. 75c; lb. \$1.25, postpaid.



Stone Mountain

Don't let bugs or plant lice eat up either the flower or vegetable plants you have started. Spray with Black Leaf 40 for plant lice, and with Bordeaux Mixture for rust, blight or fungus. We have all kinds of sprayers and remedies.



Improved Kleckley's Sweet

Woodward, Okla.

Gentlemen:

Your New Wonder melons are truly wonders. The first of July, after a light shower, we planted some New Wonders on a high rocky hill. Regardless of the fact that they had no rain, they came up, grew luxuriantly and bore a large crop of melons of good size and excellent flavor.

Sincerely,
MRS. WINIFRED NORRIS.

STONE MOUNTAIN—While this melon is rather new it is fast becoming a great favorite in many sections of the South, Middle West and Southwest. It grows large; rather round in shape and dark green in color. The flesh is a deep red, has but few seeds and the flavor is all that could be desired. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 80c, postpaid.

PORTO RICAN—A golden fleshed melon, very tender and has a most delicious flavor. It is medium early, of large uniform size, oblong shape. This has no hard core or stringy sections. Pkt. 10c; oz. 20c; ¼ lb. 50c, postpaid.

Granby, Mo.

Dear Sirs: You will find enclosed a money order for \$1.50 for which will you please send me this amount in "Hearts of Gold" cantaloupe seed. I have bought the seed from you people for the past two years and get such good seed I want to get some more. Yours,

FRANK MOORE, Granby, Mo., Route 2.

SOILTEX

A test for acid soil—tells how much lime your soil requires. Avoid mistakes by adding too little or too much lime by using SOILTEX—a money maker and a money saver for farmers. Full directions with every package. Price, \$1.00 a tube, parcel postpaid.

Perfection Brand Mustard-for health

Mustard is grown for greens and requires a loamy, rich soil, preferably a sandy loam. It is sown either broadcast or in drills; if it is sown broadcast about 8 quarts of seed are required per acre, if in drills, 3 pounds per acre.



Mustard Spinach

MUSTARD SPINACH—Sometimes known as Tender Greens. This new vegetable, which is all its name implies, is a very mild mustard with a creamy spinach flavor. Mustard Spinach grows fast. The leaves are ready for cutting three to four weeks after planting. Dry, hot weather does not injure the crop. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 70c, postpaid.

SOUTHERN GIANT CURLED—A very attractive curled sort, which is exceedingly popular in the South. Largely planted in the fall for greens. Pkt., 5c; oz., 10c; lb., 50c, postpaid.

OSTRICH PLUME—Most beautiful variety and of very superior flavor. The leaves are beautifully ruffled and curled and curve outward like graceful ostrich plumes. They are excellently adapted for garnishing. Pkt., 5c; oz., 10c; lb., 55c, postpaid.

ELEPHANT EAR—Desirable kind. Each plant produces extra-large leaves of good substance and of most appetizing pungency. It succeeds well also from spring sowings, but does not make so large a plant during the warm summer as it does in the cooler fall or winter months. When they are grown in rich soil, the leaves attain sixteen to twenty inches in length; they are of light green color, with large white ribs or leaf stalks. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c, postpaid.

FLORIDA BROAD LEAF—Plants are rather tall and upright growing, and produce considerable more leaf growth than other varieties. The leaves are large, broad, comparatively smooth and have broad, distinct midribs. This variety is quite distinct in that it stays in condition without bolting to seed considerably longer than most other sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c, postpaid.

OKRA, OR GUMBO

The young, tender seed pods of this plant are used for flavoring soups, stews, etc. They are regarded as a household necessity in the South, but are neither so well known nor so extensively used in the North. Seed should be sown when the weather has become settled, in drills 3 feet apart. Thin out the plants so they will stand from 1 to 2 feet apart in the rows. Gather the pods while they are young, as they will become tough and woody when they grow older. One ounce will sow 100 feet of drill.

PERKINS' MAMMOTH LONG-PODDED OKRA—Pods shoot out from the stalk within 3 inches of the ground and the whole plant is covered with them to its extreme height. Pods are an intense green color, 9 to 10 inches long, very slim, and do not get hard. Pkt., 5c; oz. 10c; $\frac{1}{4}$ lb., 20c.

DWARF GREEN—Bears pods ready for use ten days or two weeks earlier than the tall sorts. The plants are of dwarf, stocky growth, and are very prolific. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c, postpaid.

WHITE VELVET—Tall-growing sort, with attractive long white pods, which are round and of velvety smoothness. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c, postpaid.

DWARF LONG POD—Bears in 50 days. Grows three feet high, strong stocky plant, sending out many branches. Very productive. Leaves and pods are dark green. Pods are 5 to 7 inches long, slender, corrugated and of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c, postpaid.



Okra—Dwarf Green

ONION SETS

We Will Gladly Quote Prices on Large Quantities.

BERMUDA ONION PLANTS—Yellow, 25c per 100, postpaid.

DARK RED SETS—Lb., 20c, postpaid; by freight or express, not prepaid, lb., 10c.

YELLOW SETS—Lb., 20c, postpaid; by freight or express, not prepaid, lb., 10c.

WHITE SILVERSKIN SETS—Lb., 25c, postpaid; by freight or express, not prepaid, per lb., 15c.

WHITE MULTIPLIER SETS—They are of a pure silvery-white color, enormously productive, frequently producing as many as twenty shoots for bunching from one bulb planted; of excellent quality and size for bunching. Lb., 40c, postpaid; by freight or express, 30c per lb.



Onion Plants

GARLIC

Used for flavoring soups, sausage, etc. It is propagated by division of the roots into small parts. The bulbs are gathered in August in the same manner as onions. $\frac{1}{2}$ lb. 25c; lb. 45c, postpaid.

Perfection Brand Onion Seed

One ounce will sow 100 feet of drill, 4 pounds will sow an acre. We pride ourselves on selling the very best onion seed that can be produced, and are now supplying some of the largest onion-growers in the country. By sowing our seed, large onions can be produced direct from the seed.

CULTURE—Sow in the early spring, in moist soil, as soon as the weather will permit, in rows 12 inches apart, and cover half inch deep. If the onions grow too thick, thin to 1 inch apart, or only a very few onions will be the result. Manure highly (twenty loads to the acre being used by many market gardeners with profit), and if manure is not plentiful, some good phosphate, at the rate of 400 to 800 pounds per acre will give good results. A top dressing of wood ashes, applied after the second weeding, is very beneficial.

SOIL—Onions need rich loam, with a slight mixture of clay, manuring for two years previous.

MANURING—A liberal use of manure is essential and it should be of the best quality, well fermented, and shoveled over at least twice the previous summer to kill the weeds.

GIANT YELLOW PRIZETAKER—The American-grown Giant Yellow Prizetaker is far the handsomest, most productive, most popular, and best of the yellow skin onions. The flesh is pure white, firm and fine-grained, and mild in flavor. It is of immense size, sometimes measuring from 10 to 12 inches in circumference. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60, postpaid.

SOUTHPORT LARGE RED GLOBE—This handsome and most red-colored of all red sorts is becoming more popular every season. It is of a rich, glossy dark red, and makes a very attractive appearance. The bulbs are remarkably uniform in size and are splendid keepers. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60, postpaid.



Sweet Valencia



Crystal White Wax Bermuda

CRYSTAL WHITE WAX BERMUDAS—Genuine Teneriffe grown. A beautiful crystal white with the decided waxy appearance. It is the earliest of the Bermuda varieties, and makes large flat onions; so mild and sweet that they can be eaten like an apple. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.75, postpaid.

YELLOW BERMUDA—It is a standard variety and grown in Texas in large quantities. Makes onions 3 to 4 inches in diameter; flattened in shape, but very thick, very mild and sweet. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90c; lb., \$2.75, postpaid.

WHITE GLOBE—Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

LARGE RED WETHERSFIELD—The most widely cultivated of the red varieties; the standard winter onion in many Northern States. The bulbs are well flattened, thick through and grow to a good size. A most excellent keeper. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60, postpaid.

WHITE PORTUGAL or SILVERSKIN—An early-ripening, good-sized sort, of clear, silvery-white color, of very mild flavor, and extensively grown for pickling. Pkt., 10c; oz., 30c, postpaid.

YELLOW GLOBE DANVERS—Handsome, nearly globe-shaped bulbs of pale yellow color; crisp, pure white flesh of mild flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60, postpaid.

VALENCIA or SWEET SPANISH—It is a large, well-shaped, brown onion, weighing from 1 to 3 pounds. It is unusually mild but still retains its genuine onion flavor. Planted at the proper time and thoroughly cured, it is a good keeper and will ship as good as any other shipping onion. It requires about 2 lbs. to plant an acre. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.50, postpaid.

PARSLEY

The leaves are used for garnishing meats, fish and other dishes, and as flavoring for soups and stews. Grows in any garden soil. Seed is of slow germination and should be planted early in spring in rows 10 inches apart. A few plants will supply a family.

MOSS CURLED—Leaves are very ornamental, curled and crimped; also excellent for seasoning. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c.

PARSNIPS

This is a hardy vegetable, used for food for both humans and stock. It is grown similar to the carrot, and requires a rich, loamy soil.

IMPROVED HOLLOW CROWN—A great cropper and considered the best for cultivation. The roots are long, smooth, tender, and very sugary. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c.

LEEK

A very delicately flavored member of the onion family. The leafy portion of the plant is used for flavoring soups or boiling with meats while the white fleshy stems are boiled and either served with cream dressing or as a salad with vinegar and salad oil. Leeks prefer a rich, light soil. Cultivate the same as onions. Filling up will blanch the stalks and improve their quality. One ounce will sow about 100 feet of drill.

LONDON FLAG—A strong growing sort, hardy and excellent for winter. Pkt. 10c; oz. 30c, postpaid.



Parsley

Perfection Brand Garden Peas

Peas require a good, well-worked garden soil. Well-rotted manure and wood ashes are the most suitable fertilizers. Plant as early in the spring as the ground can be worked, for the dwarf varieties, in rows about 8 to 10 inches apart and 1½ inches deep. The large varieties are sown in rows about 2 to 3 feet apart. One quart of seed is required for 100 feet of drill and 1½ bushels to the acre.



Thomas Laxton

LAXTONIAN—A dwarf pea with large handsome pods very similar to the Gradus, which variety it excels in yield and earliness. Vines average 15 inches in length, and the pods 3½ inches. One of the best peas for private or commercial growing. Pkt., 10c; lb., 35c, postpaid; by express, 30c; 10 lbs., \$2.50.

GRADUS, or PROSPERITY—The earliest large-podded pea in cultivation; the immense pods are as large as those of the Telephone, uniform and well shaped, filled with large, handsome peas. The vines have heavy stems, with large, dark green leaves, growing 3 feet in height. Pkt., 10c; lb., 35c, postpaid; by express, lb., 25c.

LARGE WHITE MARROWFAT—A very late sort that bears large quantities of well-filled pods. Pkt. 10c; lb. 30c, postpaid.

TELEPHONE—A large sort, with tall-growing vines. The pods are very large, with large peas of delicious flavor. Pkt., 10c; lb., 35c, postpaid.

PEPPERS

The young plants are raised like tomatoes or egg plant. They should be set out after all danger of frost is over and the ground is warm. Set the plants about 2 feet apart in rows 3 feet wide. One ounce of seed will produce about 1,500 plants.

PIMENTO PEPPER—It is so smooth and uniform in shape that the skin can be easily slipped off after burning over a hot fire a few seconds or by boiling a few minutes in hot water. It can also be pared like an apple by using a sharp knife. The green peppers can be pared best in this way. In quality it is very sweet and delicious and entirely free from pungency; in color, when ripe, it is a beautiful green. It is much sought and grown by canners for pickles and pulp. Pkt., 10c; oz., 30c; 2 ozs., 55c.

RUBY GIANT—A beautiful pepper, being a cross between the Chinese Giant and Ruby King. It combines the larger size and productiveness of Chinese Giant and the attractive shape and color of the Ruby King. The flesh is mild and sweet, and can be sliced and served with tomatoes. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

CHINESE GIANT—This is the largest mild red pepper in existence. The peppers are of enormous size; specimens weighing 18 ounces are found quite frequently. They are of square block form; the flesh is very thick and extremely mild. Pkt. 10c; oz. 50c; ¼ lb. \$1.50, postpaid.

LARGE BELL or IMPROVED BULLNOSE—A large early sort, with thick mild flesh. Pkt., 10c; oz., 35c; ¼ lb., \$1.00, postpaid.

RUBY KING—A very prolific popular sort bearing splendid crops of splendid large thick peppers of good quality for mangoes. Pkt., 10c; oz., 35c; ¼ lb., 90c, postpaid.

CALIFORNIA WONDER—Resembles Chinese Giant in the large size and "blocky" form of its fruit, but have an extremely thick flesh not possessed by that variety. Measures 4½ to 5 inches in length by 4 inches in diameter. Fruits are dark green, smooth in surface. The exceptionally thick flesh is mild and sweet. Pkt. 10c; ½ oz. 35c; oz. 60c, postpaid.

LARGE RED CAYENNE—Bright red fruits 3 to 4 inches long, very hot. Pkt., 10c; oz., 30c; ¼ lb., \$1.00, postpaid.

TABASCO—This is the variety which the famous Tabasco sauce is made from. The tall, bushlike growth produces a great number of small slender, very hot and fiery fruits about one inch long. Pkt., 10c; oz., 40c; ¼ lb., \$1.00.

ALASKA—The earliest smooth pea in existence. The pods are medium in size, well filled and mature practically all at one time. Our strain is extra selected. Pkt., 10c; lb., 30c, postpaid; by freight or express, lb., 20c; 10 lbs., \$1.75.

FIRST AND BEST—(Extra Early)—The vines average 18 to 24 inches in height, setting a good number of choice pods filled with choice peas of excellent flavor. Pkt., 10c; lb., 30c, postpaid; by freight or express, lb., 20c; 10 lbs., \$2.00.

LITTLE MARVEL—An extra fine dwarf sweet pea. A fine variety for either private or market garden. Extra early. Foliage and pods very deep green; pods 3 inches long, nearly round and square-ended, containing 7 very dark green peas of high quality; very productive. Pkt., 10c; ½ lb., 20c; lb., 35c, postpaid; by express, lb., 30c; 10 lbs., \$2.60.

AMERICAN WONDER—The plants grow only 10 inches high and produce an abundance of medium-size pods, which are filled with large, sweet peas of luscious quality. Pkt., 10c; lb., 35c, postpaid; by express, lb., 25c; 10 lbs., \$2.25.

NOTT'S EXCELSIOR—Of compact growth with many handsome, good-sized pods, which are closely packed with large peas of unusually sweet flavor. Matures almost as early as the American Wonder and the pods are larger. Pkt., 10c; lb., 35c, postpaid; by express, lb., 25c; 10 lbs., \$2.25.

MELTING SUGAR—(Edible Pod)—In this variety, which is the best of its class, the entire pod is cooked the same way as string beans. The pods are large, flat, very brittle and tender and fine-flavored when cooked. The vines attain a height of 4 feet and are very attractive. Pkt., 10c; lb., 35c, postpaid.

THOMAS LAXTON—A cross between Gradus and Alaska. In earliness it is two or three days behind Alaska, and in yield, far superior. The pods are larger, containing sweet, large peas of fine flavor. Vines from 30 to 35 inches. Pkt., 10c; lb., 35c, postpaid; by express, lb., 30c.



Chinese Giant

RHUBARB, OR PIE PLANT

It is grown either from seed or by propagation of the roots. The soil for rhubarb should be made extremely rich, using manure every other season. The seed should be sown early in the spring in rows 12 inches apart and 1 inch deep. Thin the plants out to stand 5 inches apart and cultivate throughout the summer. In this section of the Southwest the plants get large enough to use in the fall from seed sown the previous spring, if the season has been favorable. The roots should be planted 3 feet apart in the row and with the crown about 4 inches under the soil. One ounce of seed will sow 100 feet of drill.

VICTORIA GIANT—This is a very large and late variety with round stalks of great length and thickness; produces a succession of stalks the whole season; held high in the esteem of market gardeners. Pkt. 10c; oz. 15c; ¼ lb. 40c.

For RHUBARB ROOTS, see Page 17.

PUMPKINS

Usually they are planted in the corn field, dropping three or four seeds every fourth hill, but they do better planted by themselves. Plant about 8 or 10 feet apart each way. Put some well-rotted manure beneath each hill, thoroughly mixing it with the soil.

LARGE SWEET CHEESE, or KENTUCKY FIELD—A popular and very productive variety. The ripe fruits are flat, of a rich, creamy yellow color, and measure about 2 feet in diameter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 50c, postpaid. By freight or express, lb., 40c; 10 lbs., \$3.50.

IMPROVED GREEN-STRIPED CUSHAW—A crooked-necked variety, with green and white striped skin. The flesh is of a rich yellow color, solid, fine-grained, very thick and sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., 85c, postpaid.

KING OF MAMMOTH PUMPKIN—Also called Jumbo, Mammoth Prize or Mammoth Potiron. On good ground and under high cultivation this pumpkin frequently grows to an immense size. Notwithstanding the enormous size it is one of the best pie pumpkins, having very thick, sweet flesh which cooks quite dry and tender. To grow pumpkins of the largest size it is advisable to leave only one plant to a hill, leaving only one fruit to a plant, and give pumpkin plenty of room. Pkt., 5c; oz., 15; $\frac{1}{4}$ lb., 40c, postpaid.

SMALL SUGAR—Handsome and prolific, of small size, averaging about 10 inches in diameter; skin is a deep rich orange yellow, fine-grained, sweet, dry and an excellent keeper; a nice table variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 75c, postpaid.

TENNESSEE SWEET POTATO—A good variety for making pies and for other cooking purposes. It is of medium size, and of a white creamy color with excellent flavor. This is a good keeper. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c, postpaid.



Kentucky Field Pumpkin

Get ready for the early radishes. In rich, moist soil some of them will mature in three weeks, the quickest vegetable there is.

Perfection Brand Radish Seed

Our stock of radish seed is grown for us in Michigan. Great care is used in selecting this seed, and the quality is of the best. A trial will convince. They develop best and quickest in light rich sandy soil. Well rotted manure should be used and constant cultivation is necessary to insure radishes of good quality. One ounce will sow 75 feet of drill, 8 to 10 lbs. per acre. Plant radishes and carrots in the same row to conserve garden space.



Scarlet Globe

EARLY SCARLET GLOBE—This is a splendid variety for hot-bed or greenhouse culture. We consider it the best of the round scarlet forcing sorts. The radishes mature quickly, producing small growth of tops, and are solid and crisp; very uniform in shape. The color is a handsome bright scarlet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c; 5 lbs., \$3.00 postpaid.

CRIMSON GIANT—An entirely new variety and differs radically from all others, inasmuch as the roots attain more than double the size of the other forcing varieties without getting pithy or hollow. It is very early, notwithstanding its size. Color, crimson; meat, pure white and of the best quality. The seed should be sown very thinly to permit the development of the roots. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

LONG SCARLET SHORT TOP—Roots grow 5 or 6 inches long and are very attractive, crisp. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. 80c, postpaid. By freight or express, lb. 70c; 5 lbs. \$3.25.

WHITE STRASSBURG—An excellent summer radish; withstands severe heat and grows quickly. Skin and flesh pure white, firm, crisp and tender. Can be pulled five weeks from planting, but retains its crispness even when the roots are old and large. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 80c, postpaid.

EARLY FRENCH BREAKFAST—A beautiful olive-shaped sort of bright scarlet color, with well-defined white tip; a rapid grower; very mild and tender. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

WHITE-TIPPED EARLY SCARLET TURNIP—For outdoor sowing this is the most important sort for the market, thousands of pounds being used annually. Our stock of this is the best. Handsome bright scarlet color, with white tip. Its fine appearance attracts customers and its quality always pleases. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 70c, postpaid. By freight or express, lb. 65c; 5 lbs. \$3.00.

SAXA—The earliest forcing radish and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c, postpaid.

ICICLE—The finest eating white radish; has long, slender, pure white roots, which remain fresh and crisp until they grow to a large size; tops are quite short, making it early, and allowing close planting. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 70c, postpaid.

LONG WHITE VIENNA, or LADY FINGER—An excellent variety of the Summer Radishes; long, pure white and mild in flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid.

WINTER VARIETIES

The merits of Winter Radishes are little appreciated, probably because they are seldom grown, and few people have knowledge of their worth. These grow to large size and keep well for autumn and winter use. Sow the seed from the middle of July until the middle of September. Include some of these with your order.

CALIFORNIA MAMMOTH WHITE—Roots white and when fully matured 9 to 12 inches long by 2 to 4 inches in diameter just below the shoulder, tapering regularly to the tip. Flesh firm, crisp, well flavored, and will keep well through the winter. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 90c, postpaid.

CHINA ROSE WINTER—Of bright deep rose color; flesh firm and excellent for keeping. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 90c, postpaid.

LONG BLACK SPANISH—With black skin and white flesh; will keep until spring. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 90c, postpaid.



White Tipped

Spinach is Good for Your Health--Plant Perfection Brand



Bloomsdale Spinach

YELLOW SUMMER CROOKNECK—The plants are very productive and early bearing; skin of fruits very thickly warted and of orange-yellow color. Pkt. 10c; oz. 15c; ¼ lb. 40c.

HUBBARD—The most widely grown winter squash. Large and heavy, with bright orange flesh; fine grained, very dry, sweet and richly flavored; fine keeper; none better for squash pies. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10, postpaid.

WHITE BUSH OR PATTY PAN—The best early variety. The plants are of true bush form and produce fruits very early in the season. Largely grown in the South for shipment to Northern markets. Pkt. 5c; oz. 15c; ¼ lb. 40c, postpaid.

When you are preparing your garden soil mix in a liberal quantity of steamed bonemeal. This stores up future plant food.

A spring plant used for greens. Very hardy and most in demand in early spring and late fall. Leaves are large, rich and tender. Very easy culture and grows best in cool weather. Rapid growth is desirable that leaves may be strong and tender. Soil should be rich and given good cultivation. For fall use seed may be sown the middle of September. One ounce will sow 100 feet of drill.

BLOOMSDALE—This is the most popular variety. The fleshy leaves are of true Savoy appearance; very hardy. Pkt. 5c; oz. 10c; lb. 30c, postpaid. By freight or express, lb. 20c; 10 lbs. \$1.65.

NEW ZEALAND—Best for hot weather. Yields continuously from late spring to late fall. During the summer months when ordinary Spinach bolts and goes to seed, this variety is at its best. It thrives on almost any soil and withstands drouth wonderfully well. The plant is bushy in form. As the tops are cut off, side shoots develop and in a few days another crop may be cut. Seeds should be soaked in warm water for 24 hours to hasten germination. Plant in March or April, 3 to 4 seeds in hills 2 feet apart each way. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c, postpaid.

SQUASH

Squashes require a warm, fertile soil of sandy nature for best growth. Summer squashes grow mostly in compact bush form; hills for these should be about 4 feet apart; for long trailing fall and winter varieties hills should be 8 to 12 feet apart each way. If ground is not very rich two or three shovelfuls of well-rotted manure should be worked into each hill. Put 8 to 10 seeds in each hill about 1 inch deep. When danger from bugs is over thin to three to four of the strongest plants.

MAMMOTH WHITE BUSH—Not quite as early as the Early White Irish, but is very much larger. It makes a strong, bushy growth and bears fruit frequently 12 to 14 inches in diameter. The squashes are thick with scalloped edges. Pkt. 5c; oz. 15c; ¼ lb. 40c.



Yellow Summer Crookneck

SALSIFY OR VEGETABLE OYSTER

So called because of resemblance in flavor to the oyster when cooked. Tap root is long and resembles a parsnip and one-half the size of an ordinary parsnip. Requires a deep, rich soil and the whole season to mature in. Plant seed about 1 inch deep in drills 12 inches apart, later thin out young plants to 4 or 5 inches. One ounce will plant 70 feet of drill. Roots may be dug and stored in fall or left in ground over winter.

MAMMOTH SANDWICH ISLAND—Grows very large; well flavored and mild. Pkt. 10c; oz. 20c, postpaid.

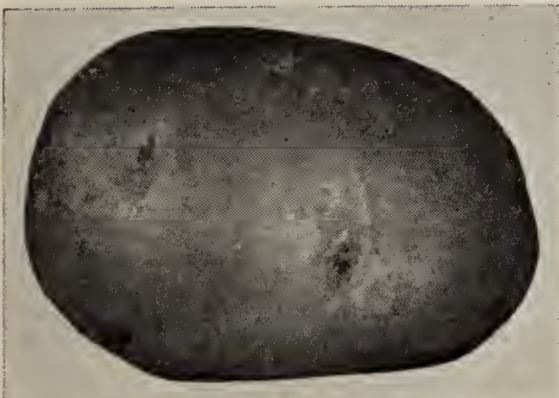
Perfection Brand Selected Irish Potatoes

Northern Grown

On account of market fluctuations, we are unable to name exact prices. We will be pleased to have you write during the month of January or later and we will then quote prices for prompt or future shipment.

Clean seed is of vital importance in the production of potatoes. Planting scabby or diseased potatoes in your garden will not only produce an inferior crop but will infect the soil with disease spores, and render it unfit for potato production in the future. Cut the seed potatoes in four or more sections, each piece with an eye. Dust with sulphur, and plant one section in a place and about ten inches apart in the row. Level the land, open a furrow about five inches deep, plant, cover, leaving the surface level. As the potatoes grow, draw the soil to them and thus provide an irrigation furrow between the rows.

Our Certified Seed Potatoes were grown in the Red River Valley of Minnesota and North Dakota and are strictly fancy stock. Should not be compared to average stock as offered by grocers and commission houses.



Irish Cobbler Potato

TRIUMPH—Very early. Tubers are of medium size, round and uniform in shape, with but few small ones; eyes slightly depressed; color a beautiful light red. Its beauty, productiveness and fine quality make it one of the best extra early market varieties, especially for the South.

EARLY OHIO—Our stock of this variety is grown in the Red River Valley of the North.

IRISH COBBLER—A variety which in recent years has attained popularity. In many soils is as early or within a few days as early as Early Ohio, and the yield is superior. Added to this last the potato is chunky, white in color and of large medium size, making it the most attractive variety by far on the early market.

Seminole, Oklahoma.

Dear Sirs: Will you please send me your 1933 Seed Catalog? This is the first time in years that we haven't been able to buy at your store and we hate to go elsewhere. Yours truly, MRS. ROY FAIDLEY.

Perfection Brand Delicious Tomatoes

Everyone likes a good Tomato and every garden should have at least a dozen hills of Tomatoes. They may take a little more work than some other vegetables, but the occasional hoeing needed is well repaid by the constant supply of delicious fresh fruit all summer long. When the first frost comes in the fall, there are usually a number of green Tomatoes left on the vines. These make an excellent pickle which will be relished the whole winter. We pay special attention to raising Tomato plants for the home garden.

SPARKS' EARLIANA—Coming into the market before any other sort, it commands top prices. The fruits are solid, uniform in shape, and of a rich bright-red color. The Tomatoes are produced in clusters, and generally can all be gathered in about three weeks from the time the first fruits ripen. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 70c; lb. \$2.25, postpaid.

NEW PRITCHARD, or SCARLET TOPPER—This is a new tomato originated by the late Dr. Pritchard of the U. S. Department of Agriculture. It is early, fruits large, smooth, meaty, very red, globular. Vines medium, dense, erect, self-topping and very prolific.

Especially bred up for a green-wrapped tomato, it is also an excellent canner and it ripens well up to the stem end. It has a tendency to set a rather large number of fruits, therefore requires either a naturally fertile soil or one well fertilized in order to size up the fruit properly and produce maximum quantity of fruit per vine. Packet 10c; $\frac{1}{4}$ oz. 30c; oz. \$1.00, postpaid.

MARGLOBE—This new tomato is the result of the efforts of Dr. F. Pritchard of the United States Department of Agriculture who has succeeded in producing a perfectly globe-shaped tomato of the most beautiful red color. It bears an abundant crop of good sized fruit which ripens well up to the stem. It is a second early sort and has proven to be disease resistant in the section where tomato diseases are most prevalent. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00, postpaid.

LIVINGSTON'S GLOBE—The greatest shipping Tomato known. The finest early purple tomato in existence. Very distinct in shape, firm fleshed, of delicate flavor, almost blight-proof. Livingston's Globe is an extra good, all-round sort, of a distinct globe shape or elongated fruits. On account of its shape, it permits a great number of slices to be made from each fruit. We class it with the first early varieties. It is always smooth, of firm flesh and few seeds; ripens evenly; color, a fine glossy rose, tinged with purple. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.

GULFSTATE MARKET—Although this variety was developed primarily to meet the demands of tomato growers who ship to distant markets, its many excellent qualities make it also a very desirable sort for the home gardener or the grower for local markets. Fruits medium to large, round or globe shaped, show but little depression about stem and are smooth and free from cracks. Color, deep purplish pink, ripening well about the stem. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25, postpaid.

JOHN BAER—Perfection Strain—Earliest of the earliest. This seed is grown for us in the North by an experienced man that grows no other variety of tomato. This variety produces the most perfect High Crown Tomato ever grown. Entirely free from core, is an enormous yielder. Ripens right up to the stem and has no blight, no cracked, no wrinkled, no one-sided scarred fruits. When dead ripe John Baer will not burst. Has a mild, delicious sweet flavor, is almost seedless, and brilliant bright red color. Our Perfection strain of John Baer is the most perfect shipping tomato on the market. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75, postpaid.

GREATER BALTIMORE—Brilliant red. This grand, early variety produces large, bright red tomatoes in clusters in about 110 days. The vines are vigorous, compact and healthy growers; a heavy cropper of large, smooth, well formed tomatoes; deep from stem to blossom end. Very firm and meaty. Free from ridges, cracks and blight. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 95c, postpaid.

BREAK O'DAY—This variety is a cross between the Marglobe and Marvana, possessing the disease-resisting quality in both to a very marked degree. In size, color, shape and solidity the fruit is very much like Marglobe but matures from ten to twelve days earlier. It produces a very heavy plant and from a standpoint of yield is one of the most prolific varieties ever introduced. The fruit is globe-shaped and of a beautiful deep scarlet color, and is unusually meaty, producing very few seeds. Pkt., 10c; oz., 65c; $\frac{1}{4}$ lb., \$2.00, postpaid.

YELLOW PEAR—Used whole for salads and preserving. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.



Dwarf Champion



Sparks' Earliana

PONDEROSA—Largest fruited tomato in cultivation, single fruits often weighing from 2 to 4 pounds and measuring 18 inches in circumference. It is solid and meaty to the heart and has small seed cavities. For this reason selected seed of this variety will always be scarce. Fine for slicing and of excellent flavor. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

OXHEART—Popular because of its attractively different shape, large size and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin pink, almost seedless, firm sweet flesh frequently two inches thick, without a seed cavity. Slices well. Pkt., 15c; $\frac{1}{4}$ oz., 30c; oz., \$1.00, postpaid.

BEEFSTEAK—The fruit grows very large and very smooth. It is oval in shape rather than round like Stone. It is very solid and keeps well on the vines after ripening: has rather few seeds and ripens all over and through at one time. The color is clear deep red. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

BONNY BEST—Early, large and smooth, heavy cropper. 100 days. In shape it is slightly flattened but thicker through than most other tomatoes. In color it is a beautiful scarlet red, setting its fruit in clusters of five or more at close intervals. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 95c, postpaid.

YELLOW PONDEROSA—A main crop, yellow-fruited variety. Fruit is large, rough and flattened in shape; set in clusters of 3 to 5. Vine makes a medium, rather open growth and shows good wilt resistance. Pkt., 10c; oz., 50c.

RED CHERRY—Used whole for salads and preserving. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

GROUND CHERRY, or HUSK—Used whole for salads and preserving. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

NEW STONE—Immensely popular with canners, Southern shippers, and market gardeners. It is a remarkable yielder, very firm, and of a handsome, bright red color. It is of excellent shape with very smooth skin, never cracking, and free from green core. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50, postpaid.

JUNE PINK—In habit and growth it is similar to Earliana. The plant is neat and compact, branching freely, with fruits ranging in clusters of 6 to 10. The fruits are of medium size and uniform, smooth and of attractive shape, without cracks or any green core. This is an excellent shipping Tomato as the skin is very tough. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.50; lb. \$4.50, postpaid.

CHALK'S EARLY JEWEL—One of the best early Tomatoes yet introduced. The vines are vigorous and very productive. Fruits deep scarlet red, nearly round or somewhat flattened, smooth, of large size and most excellent quality. They ripen very early, and the pickings continue through a long season. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

DWARF CHAMPION—The most popular dwarf variety in cultivation. The stocky, sturdy plants are of upright growth, requiring no support. The purplish red fruit begins to ripen early and are produced throughout the season. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25, postpaid.



Purple Top White Globe

Perfection Brand Turnips

The turnip is not injured by frost and makes its growth in cool, moist weather. For spring sowing plant as early as the ground can be worked and for fall sowing plant from August to October 1st in this latitude. One ounce will sow 200 feet of drill. Turnips prefer a light sandy loam. Sow in rows 12 to 18 inches apart and half-inch deep. Thin out so the plants stand 4 inches apart.

EXTRA EARLY PURPLE TOP MILAN—Flat bulbs, develop very early in the season. They are moderate sized, quite smooth and of excellent table qualities. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

EARLY WHITE MILAN—The earliest of all. On account of its beautiful shape and extreme earliness this takes the front place among turnips. It is so smooth and neat in appearance that it gives the impression that it has been polished by hand. The foliage is scant and short. Both skin and flesh are snowy white. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

WHITE EGG—Of handsome oval form with perfectly thin white skin. It grows very quickly and the flesh is very firm, sweet and mild. Pkt., 5c; oz., 10c; ¼ lb., 25c, postpaid.

COWHORN—A long white turnip, 12 to 15 inches in length, 2½ inches in diameter. Of rapid growth, producing large, heavy roots in 65 to 75 days. Very hardy. One of the best and sweetest for home use or for stock feeding. Pkt. 5c; oz. 10c; lb. 45c; 5 lbs. \$2.00, postpaid.

PURPLE TOP WHITE GLOBE—Form large globe-shaped roots very rapidly. The upper half is a purplish color while the lower half is a pure white; the flesh is pure white, crisp and of excellent table qualities. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c, postpaid. By freight or express, lb. 40c; 5 lbs. \$1.75.

JAPANESE FOLIAGE TURNIP—"Shogoin"—The louse-resistant foliage strain. Is blightproof, will grow in hottest and driest weather, and very resistant to insects and blight. Shogoin roots or bulbs are in uniform size, snowy white and brightening color, very solid, mild and finest grain with juicy sweet flavor. The tops are very large, upright foliage, juicy and tender. Good cropper and louse-resistant. Does well in hot or cool weather. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c, postpaid.

EARLY RED or PURPLE TOP STRAP LEAF—The standard early variety; quick-growing; flesh fine-grained and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid. By freight or express, lb., 45c; 5 lbs., \$2.00.

LARGE YELLOW, or AMBER GLOBE—Grows to a large size and is chiefly used for stock feeding; flesh yellow, firm and of good keeping qualities. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c, postpaid.

OUR SELECTED EARLY RED TOP WHITE GLOBE—Grown for us on contract from selected, transplanted roots. A perfect globe-shaped, with bright red or purple top and snow-white bottom. Due to the care in growing the seed it does not taper like other types of the same variety. Used extensively by our market gardeners. Oz., 10c; ¼ lb., 20c; lb., 65c, postpaid.

SEVEN TOP—Does not produce a good root, but is extensively grown in the South for the leaves, which are used for greens; very hardy and will grow all winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

IMPROVED PURPLE TOP RUTABAGA—Requires a longer season in which to grow than turnips, but flesh is of superior quality and keeps better. Pkt. 5c; oz. 10c; ¼ lb., 25c; lb., 70c, postpaid.

HERBS

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. A very small space will give all the herbs needed by a family. Culture is very simple; the best way is to make seed-beds in the early spring and set the plants out in beds.

	Price Per Packet
CARAWAY—Seeds used for seasoning.....	5c
CATNIP	10c
CHERVIL	10c
CORIANDER—Seeds used for seasoning.....	5c
DILL—Used for seasoning pickles.....	5c
LAVENDER—Leaves very fragrant.....	10c
MARJORAM—Sweet	10c
ROSEMARY—Leaves very fragrant	10c

	Price Per Packet
SAGE—A highly aromatic herb.....	10c
SAVOY, SUMMER—Leaves and shoots used for seasoning	10c
SORREL—Used in soups and salads.....	5c
SWEET BASIL—Leaves used for flavoring.....	5c
SWEET FENNEL—Seeds aromatic	5c
WORMWOOD—Has medical qualities. A splendid plant for poultry	10c

VEGETABLE PLANTS AND ROOTS

- ASPARAGUS ROOTS** (Washington Rust Proof)—Two-year-old roots. Dozen, 35c, postpaid. By express, 100, \$1.50.
- CABBAGE PLANTS**—See Page 52.
- EGGPLANT**—(New York Improved Large Purple)—Ready in May. Dozen, 35c, postpaid. By express, 100, \$2.75.
- HORSERADISH SETS**—Dozen, 35c; 100, \$2.00, postpaid.
- SWEET POTATO SLIPS**—Write for prices.
- PEPPER PLANTS**—(Large Sweet Bell)—Ready in April. Dozen, 40c, postpaid.
- RHUBARB ROOTS**—Strong roots. Each, 30c; dozen, \$2.50. Small roots, each, 10c; dozen, 90c, not postpaid.
- TOMATO PLANTS**—Transplanted—Ready in April. Dozen, 35c, postpaid. By express, 100, \$1.75.
- FROST-PROOF CABBAGE PLANTS**—See Page 52.

TOBACCO

Culture—The seed should be sown as early as possible after all danger of frosts is over. A good plan is to burn a quantity of rubbish and brush in the spring on the ground where the crop is to be grown, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high transplant into rows 4 or 5 feet apart each way; cultivate thoroughly with plow and hoe.

CONNECTICUT SEED LEAF—An old, well-known variety. Pkt. 10c; oz. 50c.

HAVANA—Grown from imported seed from Vuelta de Abajo. Pkt. 10c; oz. 50c.

WHITE BURLEY—Well-known sort. Our seed is grown on the famous limestone fields of Tennessee. Pkt. 10c; oz. 50c.



Cabbage Plants

You, Too, Can Have a Beautiful Flower Garden

No longer is it necessary to envy your neighbor of her beautiful flowers. Mid-West offers you high germinating seed so reasonable that with a few dollars you can have a show place—a veritable Garden of Flowers. Order now and give your seed an early start. The earlier you start the more beautiful your garden.



Ageratum



Canterbury Bells

CANTERBURY BELLS—New Annual Type; few flowers are more popular in the spring garden than Canterbury Bells, and we have always wished we might have them over a long season. This is now possible, with this new variety. Annual Canterbury Bells make a plant that is loaded with flowers less than five months after seed is sown. Mixed colors—Pkt., 20c.

CHRYSANTHEMUMS—These showy and effective garden varieties are extensively grown for cut flowers. They grow 16 to 18 inches high and blossom in the fall. Annual.

Mixed—Pkt., 10c; ¼ oz., 20c.

COLUMBINE (Aquilegia)—One of the most popular perennials, easy of cultivation and flowering from early summer until frost. Very desirable for borders and groups among shrubbery, 1 to 3 feet high.

Mixed—Pkt., 10c; ¼ oz., 25c.

POPULAR DOUBLE CORNFLOWERS (Centaurea Cyanus)—An old favorite, noted for its vigorous growth, large size flowers, and extreme doubleness of its blooms. The plants grow 2 to 3 feet tall. Fine for cut flowers.

Emperor Blue—pkt., 10c; ¼ oz., 25c.

Double Mixed—pkt., 10c; ¼ oz., 20c.

CYNOGLOSSUM (Chinese Forget-me-not)—Annual. Large sprays of rich blue forget-me-not-like flowers from June till September. Thrives in a dry, sunny location. Height, 20 inches. Pkt., 10c; oz., 35c.

DUSTY MILLER—They are extremely showy, with their silvery white leaves. The plants grow 8 to 12 inches tall and lend themselves particularly well for borders to taller growing Annuals or Perennials. Pkt., 10c; ¼ oz., 50c.

AGERATUM (Conyzoides)—A very beautiful Mexican flower of a delicate bush-like appearance; very attractive in the garden. They will bloom all summer and if sown in the fall will give winter bloom under glass. Set a foot apart. Annual, 1½ feet high. Pkt., 10c; ¼ oz., 25c.

ALYSSUM (Maritimum) Little Gem—A low spreading light green plant with small white flowers of a peculiar delicate fragrance. Most effective in masses of plants, 1 foot apart. Hardy annual, 1 foot high. Pkt., 5c; ¼ oz., 20c.

AMARANTHUS (Caudatus)—Foliage brilliantly ornamental, producing a striking effect in the border, as a background, or as centerpiece for beds, and is the peer of variegated plants. Annual. Should be thinned to 3 feet apart. 2 to 3 feet high. Pkt., 10c; ¼ oz., 20c.

ASTER (Composite)—The Aster is considered the queen of all flowers. For beauty and variety of form and color, it is unrivaled, and of all the flowers is best adapted to win the admiration of all lovers of floral beauty. Set a foot apart. Height, 1½ feet. Annual.

Giant Pink—Pkt., 10c; ¼ oz., 25c.

Giant White—Pkt., 10c; ¼ oz., 25c.

Giant Purple—Pkt., 10c; ¼ oz., 25c.

Giant Mixed—Pkt., 10c; ¼ oz., 25c.

Wilt Resistant Type American Beauty—Mixed colors, Pkt., 20c.

BABY'S BREATH (Gypsophila)—Perennial two feet. Blooms in July and August. Small flowers on branched stems so thick as to give the plants a white lacelike effect. Pkt., 10c; ¼ oz., 25c.

BALSAM (Lady's Slipper, Touch-me-not)—An old favorite garden flower producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion. Half-hardy annual. 2 feet high.

Mixed Double—Pkt., 10c; ¼ oz., 20c.

COSMOS—The foliage is light and finely cut, rivaling the fern for decorative purposes. The plants continue to bloom until severe frost, producing their daisy-like flowers with great prodigality. Sow in rich soil when all danger from frost is past, and thin out the seedlings to two feet apart.

Giant Mixed—Pkt., 10c; ½ oz., 15c.

Giant Flowered Pink—Pkt., 10c; ¼ oz., 20c.

Giant Flowered Crimson—Pkt., 10c; ¼ oz., 20c.

CALENDULA (Pot Marigold)—Orange King, rich orange. Pkt., 10c; oz., 50c. Mixed Colors—pkt., 10c; oz., 40c.

CALLIOPSIS (or Coreopsis)—Showy and free-flowering plants, blooming all summer and excellent for cutting and massing. Annual, 1 to 2 feet high. Pkt. 10c; oz. 40c.

CANDYTUFT (Iberis Umbellata)—One of the most hardy annuals, useful for cutting and is most effective when grown in a mass. Sow early ¼ inch deep in fine, rich soil and transplant or thin out to 9 inches apart. Height, 1 foot.

PERFECTION Brand Mixed—Pkt., 5c; ¼ oz., 15c.

CARNATION—Marguerite—These are comparatively a new class of carnations. They are highly prized for massing in summer beds and their perfect form, beautiful shades of color and lavish profusion of bloom continue till frost. Semi-dwarf, 10 to 15 inches high. Annual. Pkt., 10; ¼ oz., 25c.

**Beautify Your
Home - Plant
Flowers Now.**



Germaco
Hotkaps
New Method of
Plant Protection



Celosia (Feathered Cockscomb)

CELOSIA (Feathered Cockscomb)—Annual plants of tropical origin and one of the most showy for garden decoration. Half-hardy; should not be sown till warm weather. Of easy culture. Pkt. 10c.

FLOWER SEEDS—(Continued)

DAHLIA—The dahlia is one of the most popular occupants of our gardens. Easily raised from seed, which will produce to flower the first season. Half-hardy perennial, 3 to 5 feet.

Double Mixed—Pkt., 10c; ¼ oz., 50c.

DIDISCUS—Blue lace flower, 3 ft., pkt., 10c.

EVERLASTINGS or STRAWFLOWERS—Large, full, double, daisy-like flower heads with prominent centers and stiff overlapping scales. Produces in various shades of bright yellow and scarlet on stems of good length. Desirable as dried specimens and for use in making winter bouquets. For this purpose the flowers should be gathered when on the point of expanding. Sow early in the spring; thin to one foot apart each way. Hardy annual. Two to two and one-half feet high. Mixed Packet, 10c; ¼ oz., 25c.

FOUR O'CLOCKS or MARVEL OF PERU (Mirabilis)—This handsome, well-known free flowering garden favorite does well in any soil and under almost all conditions. Produces large flowers of many brilliant colors. The flowers are at the height of perfection during the afternoon. Height, 2 feet. Mixed—Pkt., 10c; ¼ oz., 20c.

FOXGLOVE (Digitalis)—A very beautiful and interesting old-fashioned plant whose culture is very simple. The bell-shaped flowers borne on long spikes make an exceedingly handsome and stately border. Keep plants 2 feet apart. Height, 3 to 5 feet. Hardy biennial.

Perfection Brand Mixed—Pkt., 10c; ¼ oz., 75c.

FORGET-ME-NOT (Myosotis Alpestris)—The forget-me-not is an old favorite plant, bearing clusters of star-shaped, delicate blue flowers. Plants 3 to 8 inches high. Hardy perennial.

Perfection Brand Tall Mixed—Pkt., 10c; ¼ oz., 35c.



Gaillardia

You can sow poppy, larkspur, and bachelor button seeds any day the snow is off the ground with good results.



Hollyhock—Double Mixed

GAILLARDIA (Blanket Flower)—The perennial varieties have many daisy-like blossoms, mostly in the yellow shades with dark centers. The annual varieties are very showy and are well adapted for garden decoration and cutting. Grandiflora. Mixed. Two ft.; large flowering. Pkt., 10c; ¼ oz., 25c.

GERANIUM (Pelargonium)—These universally admired plants are easily grown from seed and bloom the first season. Half-hardy perennial. 1 to 2 feet.

Perfection Brand Mixed—Pkt., 10c; ¼ oz., 75c.

HOLLYHOCK (Althea Rosea)—The hollyhock is an old garden favorite. The tall, stately spikes bear immense quantities of blooms of the most brilliant colors and as double as a rose. Plant 3 feet apart and water freely. Height, 5 to 6 ft. Hardy perennial.

Perfection Brand Double Mixed—Pkt., 10c; ¼ oz., 25c.

KOCHIA (Summer Cypress)—Sometimes called burning bush. This annual plant is of surprising rapid growth, regular pyramids about 2 feet high. Leaves slender, of light pea green until fall, changing to blood red and carmine. Pkt., 5c; ¼ oz., 10c; oz., 30c.

LARKSPUR (Cameo Pink)—A new Emperor type of real cameo pink. Grows about 20 inches high. Pkt., 15c; ¼ oz., 30c.

ANNUAL LARKSPUR. Tall branching, double stock flowered glorious spikes measuring 3½ ft. tall; large double blooms.

Flesh Pink—Very lovely. Pkt., 10c; ¼ oz., 25c.

Orchid—Lilac. Pkt., 10c; ¼ oz., 25c.

Carmine—Newport Pink. Pkt., 10c; ¼ oz., 25c.

Sky Blue—Pkt., 10c; ¼ oz., 25c.

All Colors—Pkt., 10c; ¼ oz., 25c.

LANTANA—Popular and rapid growing plants with large heads of variously colored and perfumed flowers. The bushy plants are completely loaded with blossoms, which are succeeded by green berries which turn to deep blue when ripe. Half-hardy perennial, 2 feet high.

Mixed—Pkt., 10c; ¼ oz., 20c.

LUPINE (Perennis)—Very desirable garden plants, showy and excellent for cutting. Graceful spikes 2 feet high in various colors. Annual. Mixed—Pkt., 10c; ¼ oz., 20c.

MARIGOLD, GUINEA GOLD (2 ft.)—Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plants bloom very freely, and practically all flowers are double. Arranged in a jet black or cobalt blue bowl Guinea Gold can scarcely be surpassed for decorative effect in any part of the house. Pkt., 10c; ¼ oz., 35c.

Tall African Double Lemon Ball—Pkt., 10c; oz., 70c.

Tall African Double Orange Ball—Pkt., 10c; oz., 70c.

Tall African Double Mixed—Pkt., 10c; oz., 50c.

Dwarf French Mixed—Pkt., 10c; oz., 50c.

MATRICARIA—Feverfew White. Small double white flowers resembling Button Chrysanthemum, to which they are closely related. Foliage is deep green and finely cut. Plants grow 12 to 15 inches tall, bearing an abundance of flower clusters during summer and fall. Pkt., 10c; ¼ oz., 30c.

MESEMBRYANTHEMUM—Ice Plant. Fine as a ground cover and for rockeries and hanging baskets. Does well in dry, sunny locations. Small light pink flowers. Grown for odd appearance of leaves, which look as if frosted with ice. Pkt., 10c; ¼ oz., 25c.

MIGNONETTE—The mignonette is a universal favorite and no other flower is so generally known for fragrance. The dense semi-globular heads of flowers on stalks about 6 inches high, making the whole plant reach to 1 to 1½ feet high. Hardy annual. Mixed—Pkt., 10c; ¼ oz., 15c.



Marigold—Guinea Gold

FLOWER SEED (Contd.)

NASTURTIIUMS—GOLDEN GLEAM—A recent introduction. The large, golden yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. When well grown the remarkable formation gives the flowers a fully double appearance. Very sweet scented. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

PERFECTION Brand Tall Mixed—Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c.

PERFECTION Brand Dwarf Mixed—Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

PETUNIA—Petunias are unsurpassed if indeed equalled for massing in beds. Their richness of color, duration of bloom, and easy culture will always make them welcome and popular. $1\frac{1}{4}$ feet high. Hardy annual. Transplant 18 inches apart.

Perfection Brand Single Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 80c.

Striped and Blotched—Pkt. 10c; $\frac{1}{4}$ oz. 35c.

General Dodd's—Velvety crimson. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

Rosy Morn—Clear Pink. Pkt. 15c; $\frac{1}{4}$ oz. 60c.

Elks' Purple—Deep blue purple. Pkt. 25c.

Petunia Hybrida—De Luxe Bedding Mixture of large flowering dark colored sorts. Pkt. 15c; $\frac{1}{4}$ oz. 50c.

Alderman—Deep Violet Compact Type. Pkt. 15c; $\frac{1}{4}$ oz. 50c.

PANSIES—The pansy is a flower that is well known and highly prized in every garden.

Giant Trimardeau Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 40c; oz. \$1.25.



Nasturtiums—Golden Gleam

StimUplant
Makes a
Wonder Garden

PHLOX ANNUAL

The Phloxes are the showiest and most easily raised of all annuals. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades.

Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. If seed pods are cut off the plants will continue to flower until frost.

Chamois Pink—Pkt. 25c.

Grandiflora Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 25c.

Star Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 25c.

PINKS or DIANTHUS—The varieties classed as annuals are really biennials, but are treated as annuals and may be sown out of doors, when danger from frost is past, and in a few weeks' time they are a mass of bloom, continuing so until after hard frost. As a rule, they survive the winter if given slight protection, flowering abundantly the following season. They grow about a foot high and can be used in beds or borders of solid or mixed colors.

Perfection Brand Double Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 25c.

POPPIES (Papaver)—Quite a number of the perennial varieties bloom the first year from seed if sown early. Sown in May, and several times during the spring, they produce a continuous bloom from early summer until frost. Sow seed where the plants are wanted to bloom, as Poppies do not take kindly to transplanting. Cover very lightly, and firm the soil with a flat board. When large enough thin out the plants. A sandy loam and early spring sowings produce the best flowers.

CALIFORNIA POPPIES—A most showy and free flowering annual. Blooms from early spring to October. Grow dwarf and spreading, about a foot tall.



California Poppy (Escholtzia)

POPPY, ORIENTAL—Hardy perennial $2\frac{1}{2}$ ft. These are the royal members of the Poppy family. Have magnificent foliage, sturdy stems, huge cup-shaped flowers with crinkled petal and large decorative pods. Red glowing scarlet with bases of petals bluish black. Pkt., 10c; $\frac{1}{4}$ lb., 35c, postpaid.

CALIFORNIA POPPY (Eschscholtzia)—Fire Flame. Large and well-formed flowers of a brilliant orange scarlet. A free bloomer. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

CALIFORNIA POPPY—Perfection Mixed, Pkt. 10c; $\frac{1}{4}$ oz. 25c.

CALIFORNIA POPPY—Golden West bright yellow with orange blotch. Pkt. 10c; $\frac{1}{4}$ oz. 25c, postpaid.

POPPY—Double Carnation Flowered Mixed. The blooms are quite large and well rounded. Of dazzling richness and in great variety of colors. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

POPPY—Improved Shirley. Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 25c.

PORTULACA—There is scarcely any flower in cultivation that makes such a dazzling display as a bed of many-hued, highly colored Portulaca. In bloom all summer until frost. Beds should have full exposure to sun and plants will stand any amount of dry weather.

Double Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Single Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 65c.

RICINUS (Castor Bean)—This magnificent foliage plant is picturesquely showy and imposing, lending to the garden a truly sub-tropical effect. When grown single, it forms a perfect pyramid of gigantic leaves, which with the brightly colored seed pods make a perfect oriental picture. Plant 2 inches deep when all danger of frost is over. Set out or transplant 3 feet apart.

Perfection Brand Giant—Pkt. 10c; oz. 20c.

SALPIGLOSSIS—A very showy bedding or border plant from July until early autumn. The exquisite beauty of the flowers with their rare combination of colors is a revelation. Transplant to a foot apart. Half-hardy annual, $1\frac{1}{4}$ to 2 feet high.

Perfection Brand Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 60c.

SALVIA (Scarlet Sage)—One of the handsomest flowering plants we have for garden decoration, blooming in spikes from mid-summer until killed by frost. Splendens—Pkt. 10c; 12 pkts. \$1.00.



Elks' Purple Petunia

FLOWER SEED (Contd.)

SCABIOSA (Mourning Bride)—Well-known garden favorite, flowering freely from mid-summer until frost. The handsome double flowers are borne on long stems, thus adding to their value as cut flowers, while the colors range from pure white through shades of pink and red to blue and black-maroon. Sow $\frac{1}{4}$ inch deep in rich soil, as soon as the ground is in good condition, when all danger from frost is past. Thin out the seedlings 6 to 8 inches apart.

DOUBLE PERFECTION MIXED—Pkt. 5c; $\frac{1}{4}$ oz. 10c; oz. 35c.

DWARF DOUBLE MIXED—12 inches tall. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

SNAPDRAGON (Antirrhinum Majus)—The snapdragon is an old favorite border plant with dark, glossy leaves and large curious-shaped flowers, having finely marked throats, and are borne on tall spikes. Half-hardy perennial, 2 feet high. Perfection Brand Mixed Tall—Pkt. 10c; $\frac{1}{4}$ oz. 20c.

AURORA—Half Dwarf, Scarlet, white throat. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

BLACK PRINCE—Black red. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

BRILLIANT ROSE—Pkt. 10c; $\frac{1}{4}$ oz. 25c.

GOLDEN QUEEN—Pkt. 10c; $\frac{1}{4}$ oz. 25c.

STOCKS (Gilliflower)—A magnificent group of plants extensively cultivated for both summer and winter decoration. The extreme beauty of their flowers and luxuriant foliage, combined with their neat, graceful habit, make them one of the most popular and useful for pot culture and bedding purposes.

PERFECTION BRAND—Large flowering mixed. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

SNOW-ON-THE-MOUNTAIN—An unusual but easily grown annual which adds variety to the mixed border or may be planted in rows or beds. The plants make an open and free branching growth, about three feet tall. The crown of each plant produces small flowers beautifully

set off by the top leaves, which are marked with broad white bands on rich green ground. This gives the flower its popular name. Pkt. 10c; $\frac{1}{4}$ oz. 25c.



Scabiosa—Mixed



Stocks—Mixed

SUNFLOWER (Helianthus)—They do well in sunny positions, in any kind of soil. Seeds may be sown in the open ground as soon as the weather is suitable, or indoors in March and April and later transplanted. California Fl. Pl. Double, golden yellow. Pkt., 5c; $\frac{1}{4}$ oz., 10c.

SWEET WILLIAM (Dianthus Barbatu)—A well-known attractive, free-flowering plant, producing a splendid effect in beds and borders, with rich, attractive flowers borne in heads or clusters about 18 inches high. Hardy perennial. Double Mixed—Pkt., 10c; $\frac{1}{4}$ oz., 25c.

THUNBERGIA ALTO (Black Eyed Susan)—A very charming and beautiful rapid-growing vine, useful for window boxes, baskets or training over banks, etc. It blooms most profusely the entire season until frost comes, the flowers being pure white, buff, orange, with large, dark eyes.

PERFECTION Mixed—Pkt., 10c; $\frac{1}{4}$ oz., 30c.

VERBENA HYBRIDA—Blooming freely all season until frost and in the most brilliant colors. Admirable for solid beds or masses; also for edging. Sow $\frac{1}{8}$ inch deep in boxes or pots of fine soil, transplant to other boxes 3 inches apart, and plant out in a warm, sunny position in the border when all danger from frost is past.

PERFECTION Brand Mixed—Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.00.

VERBENA DEFIANCE—Scarlet. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

VINCA (Madagascar Periwinkle)—Handsome ornamental free-blooming very bushy plants, producing round, single flowers measuring $1\frac{1}{2}$ inches across. Fine bedding plants and cut flowers.

PERFECTION Brand Mixed—Pkt. 10c; $\frac{1}{4}$ oz. 30c; oz. 90c.

Perfection Brand Dainty Sweet Peas (Inoculate With Nitragin Before Planting)



Sweet Peas are more than flowers—they are a necessity for every garden. They lend themselves readily and easily to beautifying schemes of the city and country farmer.

LOCATION—Any location will be suitable that is well drained and that will get free circulation of air. Early planting is essential with sweet peas in order to give the roots a chance to develop more rapidly than the tops during the cool weather. Early plantings produce blossoms before the intense heat of the summer comes which is likely to wilt the plants if they do not have well developed roots. Sowings should be made in furrows 12 inches deep and the seed covered with an inch of soil and the trench filled in as the plants grow. It is a help to soak the seeds in lukewarm water overnight before sowing. Use one ounce to twelve feet of row.

AUSTIN FREDERICK — Large pure lavender.

BLANCH FERRY—Bright rose standard, wings white flushed pink.

FLAMINGO—Orange, scarlet, cerise.

FORTUNE—Rich dark blue.

HEBE—Giant rosy pink.

HUNTSMAN—Bright scarlet.

KING WHITE—Giant White.

MAMMOTH—Blazing orange scarlet.

MARY PICKFORD—Cream suffused with salmon.

PRESIDENT HARDING—Peach red.

REFLECTION — Large, waved, clear blue.

ROYAL PINK—Pure pink.

ROYAL PURPLE—Rich purple.

ROYAL SCOT—Brilliant scarlet.

SYBIL HENSHAW—Deep crimson.

All of the above, 10c per packet; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Spencer Mixed Sweet Peas—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

SPENCER SWEET PEAS—Because of such unusual size, waved or fluted appearance and charming blendings of harmonious colors. The new Spencer type may be appropriately described as Gigantic Orchid Flowered. The flowers are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved.



Spencer Mixed

To have a Profusion of Showy, Colorful Flowers During the Summer--Plant Perfection Brand Colorful Zinnias

No other annual can take the place of Zinnias, with their brilliant flowers of massive size. They have become a general favorite. Zinnias withstand lots of heat, thriving best in a sunny location. For bedding, for borders and for cut flowers, they furnish a wealth of blooms from early summer till late in the fall.



Dahlia Flowered Zinnia

ZINNIA—Double Lilliput — An elegant small flowering type, growing 12 inches tall, with attractive, round, fully double, button-like blooms about 1 inch in diameter. Mixed Colors—pkt., 10c; ¼ oz., 20c; oz., 70c.

Scarlet Flame—Pkt., 10c; ¼ oz., 25c.

CUT-AND-COME-AGAIN ZINNIAS (Elegans Pumila Dwarf Double)—A semi-tall type of Zinnia; has become very popular. Produces an abundance of medium-sized, well rounded blooms on stems long enough for cutting. The compact bushes keep on blooming from midsummer until frost, making an attractive display in beds or borders and yielding an abundance of long-keeping cut-flowers for house decorations. In an average soil the plants grow 18 inches tall. Pkt., 10c; ½ oz., 35c; oz., 60c.

ZINNIA (Elegans)—One of the most brilliant and showy annuals. Bears large double flowers from early summer till frost with very little attention. Provide plenty of room, at least 18 inches. Height, 2 feet. Annual.

PERFECTION Brand Double Mixed—Pkt. 10c; ¼ oz. 25c; oz. 60c.

DOUBLE GIANT ZINNIA in separate colors—Lavender, Canary Yellow, Crimson, Blush Pink, White, Burnt Orange. Pkt., 10c; ¼ oz., 30c; oz., 90c, postpaid.

DAHLIA FLOWERED ZINNIAS—MIXED—In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. Mixed colors, packet, 10c; ¼ oz., 25c; oz., 80c.

DAHLIA FLOWERED ZINNIAS in separate colors—Deep Rose, Creamy Yellow, White, Purple, Rich Orange, Scarlet. Dahlia-flowered zinnias are too gorgeous to overlook and they will succeed where real dahlias will not. Pkt., 10c; ¼ oz., 35c; oz., \$1.00.

WALL FLOWER

WALL FLOWER—Annual Mixed. Bears large spikes of fragrant blossoms. Useful for beds, borders and winter house plants. Height, 1½ ft. Blooms from July till frost if sown outside in April. Pkt., 10c; ¼ oz., 20c; oz., 75c, postpaid.

Stroud, Okla.

Dear Sirs: Please send me one of your seed catalogs. I have moved from Terilton, so I won't get one unless you send one and I can't make garden without your seeds. I have better luck with your seeds than any I've ever used.

J. M. BROOKS, Stroud, Oklahoma.

COLORFUL RAINBOW ZINNIA COLLECTION

One Packet each of—	
Double Lilliput	10c
Dwarf Double	10c
Double Mixed	10c
Double Giant Reds	10c
Dahlia Flowered	10c
Zinnia Dahlia	10c
<hr/>	
Total Value	60c

Shipped To You Postpaid
For Only

45c

No Changes Will Be Made
From This Collection.

Perfection Brand Flowering Vines, Climbing, etc.

Rapid Climbers are excellent to shade porches, cover stumps and hide unsightly places. Everyone who has a porch or room that is exposed to the hot sun all summer long will appreciate what it would mean to have a dense green vine for protection.



Balsam Apple

BALSAM APPLE (*Momordica Balsamina*)—Very curious, rapid and dense climbers with ornamental foliage. Its large golden yellow fruit opens when ripe and displays its brilliant blood-red inside. Hardy annual. 10 to 20 feet. Pkt., 10c; oz., 30c.

CARDINAL CLIMBER—A very attractive and graceful climber, developing to perfection in sandy soil. The leaves resemble those of a fine Japanese Maple, and the rich scarlet blooms cover the vines completely all during summer and fall. Plant in full sun. Pkt., 10c; ¼ oz., 25c.

CYPRESS VINE (*Ipomoea Quamoelit*)—A most beautiful climber with delicate dark green, feathery foliage and an abundance of bright flowers. Planted by the side of a veranda, tree or stakes, it attains a height of from 10 to 20 feet. Annual.

Mixed—Pkt., 5c; ¼ oz., 10c. Red—Pkt., 10c; ¼ oz., 20c.

HARDY SWEET PEAS (*Lathyrus Latifolius*)—Very decorative climbing vines of the Pea family. Flowers are similar to Sweet Peas and are even more showy, but are lacking in fragrance. Mixed colors—Pkt. 10c; ½ oz., 40c; oz., 70c.

HYACINTH BEAN (*Dolichos Lablab*)—(Commonly known as Jack Bean)—A splendid climber with hyacinth-like clusters of flowers which are followed by exceedingly ornamental seed pods. Is of rapid growth and stands heat well but not the cold. Half hardy annual, 10 to 20 feet high. Pkt., 10c; oz., 25c.

MADERIA VINE BULBS—One of the best and most popular Climbers for foliage effect. Increases very rapidly. Each, 10c; dozen, 90c, postpaid.

MOONFLOWER (*Evening-Glory Ipomoea*)—Moonflowers are the most gorgeous and versatile of the climbing plants. It does well trained along the roof of a low house or veranda, and its blossoms are delightfully fragrant. If the seeds are notched they will bloom six weeks from sowing. Annual. Giant Pink or White—Pkt., 10c; ¼ oz., 15c; oz., 45c.

MORNING GLORY (*Convolvulus Major*)—One of the most free-flowering and rapid-growing annual climbers thriving in almost any situation. Height 10 to 15 feet. Japanese Imperial—Pkt., 10c; oz., 20c.

MORNING GLORY—Fancy fringed. Pkt., 10c; oz., 40c.

ORNAMENTAL GOURDS—Interesting and attractive when grown on trellis, pergola, or fences, etc. Of very rapid growth with luxuriant foliage and bearing most curious-shaped fruits. Do not sow until the ground is warm. Mixed—Pkt., 10c; oz., 25c.

SCARLET RUNNER BEAN (*Phaseolus Multiflorus*)—A tall twining plant, covered with crimson blossoms. As an ornamental vine over trellis, arbors, etc., very popular. Annual, growing 12 to 15 feet high. Pkt. 5c; oz., 10c.



Morning Glory



National
Eazy Wear
Garden Gloves

for Men and Women

Here's a new and increasingly popular type of garden glove—specially designed to give finger freedom and complete protection.

All-Leather — DIRT-PROOF
SOFT AS KID — Extra Pliable

Made from select imported leather specially processed to render it amazingly soft and pliable—as well as durable. Permit almost barehand freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Keep the hands in perfect condition.

Economical—outwear 6 pairs of ordinary fabric gloves and are useful for other home duties the year round—Housework, Painting, Yard, Furnace, Garage, etc.

WASHABLE

Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75 cents a pair (2 pairs, \$1.40), postpaid.

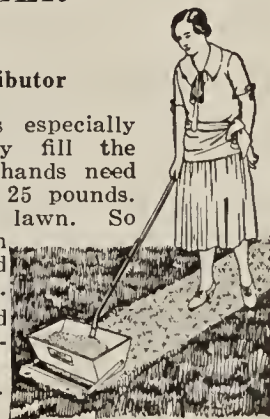
VIGORO FERTILIZER DISTRIBUTOR

A Fertilizer and Seed Distributor

This great new lawn tool was especially designed for small lawns. Merely fill the hopper from the container (your hands need not touch the material). It holds 25 pounds. Set the slide and run it over the lawn. So simple, so easy, a child can run it. Spreads 14 inches wide and operates faster than a lawn mower.

Very substantially constructed and has quick acting slide adjustment.

Price \$5.75, f. o. b. Tulsa or Muskogee.



Bulbs that Bloom in Spring Should be Planted in Fall

Darwin Tulips, Hyacinths, Daffodils, Narcissus, Crocus, Calla Lily, Freesias, etc. We carry a complete line, import our Hyacinths, Tulips and Crocus direct from Holland in large lots and offer high-grade bulbs at attractive prices. We issue a Fall Bulb circular during September and if interested, ask for one.



Canna—City of Portland

CANNAS

Our stock is first-class in every respect. We handle enormous quantities of Canna Bulbs and can offer at the following attractive prices:

WYOMING—This is a bronze or dark-leaved variety with rich orange flowers borne on stately stems. Each, 10c; doz., 50c, postpaid.

KING HUMBERT—4 to 5 feet, bronze foliage. Flowers very large, five to six inches across. Flowers a glowing scarlet or orange red, often streaked with gold. Each, 10c; doz., 50c; 100, \$3.00, postpaid.

RICHARD WALLACE—Dainty shade of Canary yellow, about four feet tall and having bright green foliage. Each, 10c; dozen, 50c; 100, \$3.00, postpaid.

CITY OF PORTLAND—Salmon Pink. Large flowers, height four feet. Foliage green. Each, 10c; dozen, 75c; 100, \$4.00, postpaid.

FIERY CRIMSON BEDDER—3½ to 4 feet. Intense crimson green foliage. Each, 10c; dozen, 50c; 100, \$3.00, postpaid.

RED AND YELLOW SPOTTED—Green foliage, 4 feet. Each, 10c; dozen, 50c; 100, \$3.00, postpaid.

MIXED COLORS—Each, 10c; dozen, 50c; 100, \$2.75, postpaid.

TUBEROSE BULBS

Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut flower.

DWARF EXCELSIOR PEARL—Each, 10c; dozen, 60c, postpaid.

ELEPHANT'S EAR

CALADIUM ESCULENTUM—Known to almost everyone. A number of stems come from a single bulb, growing 4 to 5 feet high, with a single leaf, which often measures 18 inches or more across. Put out early in the spring in rich soil, give plenty of water, and it will be a pleasure to watch its development through the season. Large bulbs. Each, 25c; postpaid, 35c.

Bedding Plants and Hardy Perennials

During the spring months we carry a good assortment of the following plants:

GOLDEN GLOW
IRIS
SHASTA DAISY
FOXGLOVE
CANTERBURY BELL
HARDY PHLOX
HOLLYHOCKS

PETUNIA
SALVIA
SNAPDRAGON
VERBENA
VINCA or PERIWINKLE
ZINNIA
MARIGOLD
MOON VINE

Prices gladly quoted on request.

Perfection Brand Exceptional Dahlias

STRONG FIELD GROWN DIVISIONS

DECORATIVE—This is the large open faced type with broad, usually flat petals to which class we owe so many of our finest Dahlia flowers.

PRIDE OF CALIFORNIA—Deep, rich red full flower, very fine and best of this shade for cutting. Price 25c each, postpaid.

CHARM—A large, deep russet orange flower. Free flowering and long stem. Price 25c each, postpaid.

FRANCIS LAROCCO—One of the finest yellow decorative Dahlias; very fine, long stems; large deep flower; vigorous grower; prolific bloomer. Price 25c each, postpaid.

MRS. ETHEL T. SMITH—Creamy white shading to lemon tint in center; a giant flower with disbudding; very profuse bloomer on long stems held well above the foliage. Price 25c each, postpaid.

PAUL BONYON—Shrimp pink. Large fluffy bloomer. Price 25c each, postpaid.

MRS. DE VER WARNER—Large perfect flowers of a charming color; on stout stems. A good grower and free bloomer (mauve pink). Price 25c each, postpaid.

FLORENCE FINGER—Purple or deep lavender. A fine cut flower of large size. Price 25c each, postpaid.

SAGAMORE—A golden color, shaded toward the center with warm salmon-rose or orange buff. Good stem and keeping qualities. Price 25c each, postpaid.

SHOW DAHLIAS—Compact, very double, short quilled, formal long lasting, as cut flowers.

BRILLIANT—A very attractive red, practically round when fully open. Price 25c each, postpaid.

OBAN—Purple or blue. A bell type. Very prolific. Price 25c each, postpaid.



Dahlia

Perfection Brand Selected Gladioli Bulbs

Plant in the spring when all danger of frost is over. Plant bulbs four to eight inches apart in the row and from three inches deep in heavy soil, to five inches deep in lighter, sandy soil; the deeper planting will help to keep the plants from falling over at blooming time. Keep soil well worked; keep soil crust from forming in the rows after rains or other watering. Nitrate of Soda (a tablespoonful to two gallons of water to 25 plants) once a week after plants break into bud is highly recommended. Our bulbs are grown in Iowa, where the soil and climate are especially adapted to producing strong, healthy bulbs.

All No. 1 Bulbs—large size.

CHICAGO—Pure white. Per dozen, 50c; per 100, \$3.00, postpaid.

MRS. FRANCIS KING—A beautiful besnard shade of flame pink. Flowers of giant size growing on a spike four feet high with from fifteen to twenty flowers, six to eight opening at a time. Per dozen, 50c; per 100, \$3.00, postpaid.

SCHWABEN—Clear citron-yellow with aster purple tongue on lower petals; buds sulphur yellow. Per dozen, 55c; per 100, \$3.25, postpaid.

LE MARSCHAL FOCH—Beautiful shade of light pink flowers, about twice the size of America; one of the earliest. Per dozen, 50c; per 100, \$3.00, postpaid.

E. J. SHAYLOR—A tall majestic spike with beautiful ruffled blooms of a deep rose pink color. Dozen, 50c; 100, \$3.50, postpaid.

HERADA—A good spike with large wide-open blooms of a bright glistening mauve color. Dozen, 55c; 100, \$3.25, postpaid.

VIRGINIA—The large scarlet flowers open six or more at a time. Doz., 55c; 100, \$3.25, postpaid.

PERFECTION MIXTURE—A first-class mixture of bulbs that will produce an array of color and fine flowers for cutting. Per doz., 35c; per 100, \$2.00, postpaid.

PEONY BULBS

Peonies like a place in the sun, and dense shade will injure them. Light shade is not objectionable. Good garden soil, enriched with bone meal and well drained and limed, is needed for peonies. Not more than two or three inches of soil should be placed above the crown,



Selected Gladioli



Duchess De Nemours Peony

from which the eyes start. Our bulbs or roots are all good, strong divisions averaging 3 to 5 eyes.

DUCHESS DE NEMOURS—Superb ivory white; large, fragrant; vigorous; good stems; blooms freely. Each, 30c; dozen, \$2.75.

FESTIVA MAXIMA—Very large; white flecked carmine; fragrant; early; tall. Each, 35c; dozen, \$3.50.

MADAM CALOT—Very delicate pink, becoming white; strong stem; blooms freely, fragrant. Each, 40c; doz., \$4.00.

DUCHESS d'ORLEANS—Dark carmine, pink guards, center soft pink and salmon. Strong, vigorous growth; very tall. Each, 35c; doz., \$2.50.

FRAGRANS—Deep pink to red; fragrant; very late; blooms freely. Each, 35c; doz., \$3.25.

REINE DES FLEURS—Clear pink. Each, 35c; doz., \$3.25.

RED—Each, 45c; dozen, \$5.00.

GLAD SHOW COLLECTION

40 Bulbs Postpaid, \$1.00

Ten each of lovely Pink, White, Bright Red and Yellow.

The object of this special offer is to help hundreds to enjoy plenty of flowers the coming summer at little expense.

Perfection Brand High Tested Farm Seeds

Prices on all farm seeds subject to market fluctuations. We urge that you write us your needs, and it will be a pleasure to us to quote you the very lowest prices on Perfection Brand Seeds. Remember, we are here to serve you in any capacity we can.



A Field of Perfection Brand Alfalfa

ALFALFA



ALFALFA is the most profitable crop by far grown in Kansas, Oklahoma, Texas, New Mexico, Arizona, Colorado, Idaho, Utah, Wyoming and Nebraska. No other crop on a twenty-year average produces nearly as many dollars per acre as does Alfalfa.

Cultivation is very simple, the essentials being well drained soil, at least eight feet to permanent water, shallow planting, thorough harrowing and packing.

PERFECTION BRAND ALFALFA SEED is the highest grade of American grown seed, testing 99.50 per cent pure. Per lb. 30c, postpaid; by freight or express, lb. 20c; 10 lbs. \$1.75. Write for special price in quantities.

CLOVER

RED CLOVER—The most important and best known of all clovers, being used for pasture, hay, and enriching the land. For the latter purpose it is considered the cheapest fertilizer known. Lb. 40c, postpaid; by freight or express, lb. 35c; 10 lbs. \$3.00.

ALSIKE OR SWEDISH CLOVER—The heads are globular, very sweet and fragrant and much liked by bees, which obtain a great amount of honey from them. It produces a great amount of herbage during the season; the stalks are very fine; it makes a valuable hay crop where other clovers fail. Sow from 4 to 6 pounds per acre. Lb. 40c, postpaid; by freight or express, lb. 35c; 10 lbs. \$3.00.

CLOVER

WHITE CLOVER—For lawn purposes this is very desirable on account of its creeping stems. It spreads rapidly and acts as a binder; very hardy; in permanent pastures is of considerable value. Lb. 50c, postpaid.

BLACK MEDIC—A wonderful clover that is hardy enough to be grown as far north as the Ohio River. It spreads as fast or faster than most any other clover, and the only soils it will not thrive on, provided they are sweet, are the loose sandy and water soaked type. May be sown from early September to March, the earlier the better. It is an excellent hay plant, even with a short growth, and it has no equal for permanent pastures for late winter and spring grazing, dying down by July, and reseeding with the closest grazing. It can also be used to excellent advantage for cover crop. Sow 10 to 15 lbs. per acre. Lb. 35c, postpaid. Ask for quantity prices.

KOREAN LESPEDeza—This variety makes a larger growth than ordinary Japan Clover, 15 to 24 inches, single plants having a spread of 3 ft.; has larger leaves; furnishes pasturage about three weeks earlier. The strong root growth penetrates about 8 inches deep, making it highly drought resistant, and thriving on poor, wornout soils where alfalfa and clovers would fail. Its feeding value is about equal to Alfalfa; has no woody stem; holds its leaves well, and produces a full crop the first season. When sown alone broadcast 10 to 15 pounds per acre, during late freeze after a light harrowing, but do not cover the seeds. Per pound, postpaid, 30c; 10 lbs. \$2.50. Write for prices on quantities.

SERICEA LESPEDeza (Perennial)—A new drought-resistant legume. Stands indefinitely, breaks up hard pan, doubles the grazing, requires no lime or fertilizer, drought proof, thrives on poor land.

Sericea is extremely leafy, leaves holding on well from the top to the bottom of the stems. Leaflets are small, one half the size of Alfalfa.

It will make two cuttings of hay the first year and two to four cuttings a year thereafter. At Arlington, Va., it made as high as four tons per cutting. It starts budding during March or April and is ready to cut by June. The hay is tender and of excellent quality if cut twelve to eighteen inches tall, before the stems get too large and woody, and the cattle relish it either for grazing or hay. It produces hay at much less expense than soy beans. It has half more protein than grasses and about the same as Alfalfa and Red Clover.

The seed bed should be well pulverized and firm. One to two pounds of scarified seed should be planted to the acre in three-foot rows and cultivated. Five pounds drilled broadcast to the acre give thin stand the first year and a good stand the second year. Twenty-pound broadcast gives a full stand the first year. Scarified seed should be planted in March or April, after danger of frost.

Plant only hulled and scarified seed, as Sericea seed when harvested is hard and does not absorb water, so the seed will not germinate properly unless scarified.

We offer **CERTIFIED AND SCARIFIED Seed** at \$1.25 per pound, 10 lb. lots for \$11.00, postpaid.

We also have **SCARIFIED SEED** at \$1.00 per pound; 10 lb. lots for \$9.00, postpaid.

Write for special prices in quantities.

YELLOW HOP CLOVER—It is a very valuable winter and spring clover, and reseeds abundantly. It responds well in increased growth to an application of phosphates, as do all winter legumes. Sow 4 to 8 lbs. per acre. Lb. 35c, postpaid. Ask for quantity prices.



Clover

SWEET CLOVER

Sweet Clover is a crop that is hardy; defies wet and drouth; never winter kills, and will grow on land that will not produce Alfalfa. Many wet, waxy soils are being farmed unprofitably by other crops that would produce a large crop of Sweet Clover, and furthermore, Sweet Clover will turn that poor land into land that will, within four or five years, be nearly 100 per cent better for any other crop that the farmer wants to put there.

Sweet Clover has long, deep roots that permit water and air to penetrate to the lower levels of the soil and thus greatly aids the mechanical condition of the soil. As Sweet Clover is a legume it increases the nitrogen content of the soil. Wheat, Corn or Alfalfa grown on a field following Sweet Clover are greatly improved. Yields of 10, 15 and 25 per cent increase are not at all uncommon.

Sow in the spring. It takes about twenty pounds of hulled seed to the acre. 20c per pound, postpaid. Write for prices in quantities.



A Field of Sweet Clover

READ THIS!

It must be made emphatic that all clovers far outclass the non-legume crops for building the soil. The qualities making clovers useful in this respect are their extensive root system and their power to gather nitrogen from the air. Experiments show that 30 to 50 per cent of the fertilizing value of a clover crop is in the roots and stubble, which adds nitrogen and humus to the soil. A good crop of clover will add to the soil in a single season 200 pounds of nitrogen to the acre. Since the nitrogen is taken from the air, it represents a profit in the form of fertilizer for the land.



Soy Beans in Corn

SOY BEANS

Soy Beans are very erect, growing with from one to six stems or more, branching out from the roots, and reaching a height of 1½ to 3½ feet; seldom falling down, except in very rich, loose soil. Soy Beans are a remarkable drouth-resister, and will do comparatively well on thin land; however, they respond very readily to moisture and rich land. Planting should not be done until the weather is warm and after the corn planting.

LAREDO SOY BEANS—The seed is very small, flat in shape and black in color. As a soil builder it is unequalled. The quality of hay in feeding value is fully equal to Alfalfa. On reasonably fair land it will produce from 15 to 20 bushels of seed per acre and 2 to 3 tons of hay. Price per pound, postpaid, 25c. Write for quantity prices.

VIRGINIA—About 20 days earlier than the Mam Yellow or Laredo. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The best Soy Bean for Oklahoma and recommended by Extension Department and County Agents. Lb. 20c; pk. \$1.50, postpaid. Write for bushel prices for shipment by freight or express.

Perfection Brand
SEEDS
Give Satisfaction



A Field of Mung Beans

MUNG BEANS

Mung Beans bid fair to outrival anything yet discovered as a hay, forage and soil improving crop. Mung Beans are drouth resistant and have made wonderful crops of hay and forage where cow peas and soy beans have been killed off completely by the blistering and withering heat of an extended summer's drouth.

Mung Beans mature about fifteen days earlier than Soy Beans and Cow Peas and invariably have produced larger tonnage of hay and forage as well as large production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers discovered. 2 lbs. of Mung Beans will produce about 2 tons of cured hay. Requires about 4 lbs. per acre. Plant in rows about 3½ feet apart and 2 to 4 inches apart in the rows. Trial packet, 10c; lb. 25c; 5 lbs. \$1.00, postpaid. Larger quantities, write for prices.

Number of Plants to Acre at Given Distances

Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants
12 x 1 in.....	522,720	20 x 1 in.....	313,635	30 x 16 in.....	13,068	36 x 36 in.....	4,840	48 x 36 in.....	3,630
12 x 3 in.....	174,240	20 x 20 in.....	15,681	30 x 20 in.....	10,454	42 x 12 in.....	12,446	48 x 48 in.....	2,723
12 x 12 in.....	43,560	24 x 1 in.....	261,360	30 x 24 in.....	8,712	42 x 24 in.....	6,223	60 x 36 in.....	2,901
16 x 1 in.....	392,040	24 x 18 in.....	15,520	30 x 30 in.....	6,970	42 x 36 in.....	4,148	60 x 48 in.....	2,178
18 x 1 in.....	348,480	24 x 24 in.....	10,890	36 x 3 in.....	58,080	48 x 12 in.....	10,890	60 x 60 in.....	1,743
18 x 3 in.....	116,160	30 x 1 in.....	209,088	36 x 12 in.....	14,520	48 x 18 in.....	7,790	8 x 1 ft.....	5,445
18 x 12 in.....	29,040	30 x 6 in.....	34,848	36 x 18 in.....	9,680	48 x 24 in.....	5,445	8 x 3 ft.....	1,815
18 x 18 in.....	19,360	30 x 12 in.....	17,424	36 x 24 in.....	7,260	48 x 30 in.....	4,356	8 x 8 ft.....	680

AUSTRIAN WINTER PEAS

On outstanding winter legume cover crop. Plant in September or October and plow under in the spring before time to plant the spring crop. It makes more growth in the spring than Vetch, produces more green material per acre and the vines decay more rapidly. If planted alone sow 50 lbs. per acre. If with Rye or Barley, use 30 lbs. of Peas with one bushel of grain. Lb. 20c, postpaid; by freight or express, lb. 10c; 50 lbs. \$3.50.

Sow More Permanent Mixtures of Grasses and Clovers

The need for better pastures has become more and more apparent and has been felt this year more keenly than in former years. All authorities agree that a mixture of grasses will yield a better crop than a single grass. When using a good mixture you are sure to get a good catch and to have a good permanent pasture that lasts from early spring until late fall.

The following mixture is one that has proven very satisfactory for Eastern Oklahoma:

Amount per acre—

- 2 lbs. White Dutch Clover
- 3 lbs. Yellow Hop Clover
- 2 lbs. Orchard Grass
- 4 lbs. Korean Lespedeza
- 5 lbs. Dallis Grass
- 2 lbs. Bermuda Grass
- 2 lbs. Red Top Grass

Price per pound on the above mixture 40c, postpaid. For quantities, write us stating number of pounds you will require.

A BRIGHTER OUTLOOK

The farmers of the southern half of the United States are learning that more legumes should be planted. By the aid of bacteria growing in the nodules of their roots, these plants are able to use the nitrogen of the air, thus adding to the store of nitrogen in the soil. Alfalfa, Clovers, Cow Peas and many other items described in this book belong to this family. We strongly urge you to PLANT MORE LEGUMES.



Austrian Winter Peas

Field or Cow Peas

THE GREAT SOIL IMPROVER—Makes poor land rich; makes good land more productive; also makes a splendid and nutritious green forage or hay crop, enriching the soil even when the crop is cut off. Cow Peas make one of the largest yielding and most nutritious crops grown. There is also no surer or cheaper means of improving and increasing the productiveness of the soil and it is really considered more economical and the best way is to cut off the crop of vines and cure them as a forage or hay crop and then turn under the stubble and roots. Even when the crop is cut off, the land is left in very much better mechanical condition and the productiveness very much increased over what it was before the crop was grown.

CREAM CROWDER PEAS—It is not only one of the earliest to mature, but also makes a large and vigorous growth, and is one of the most prolific and best for edible peas, both for home use and market. The size of the pea is large and they are of most delicious flavor when cooked, and preferable for table use to other varieties. This also makes a quantity of vine. Price, lb. 25c, postpaid.

BLACK-EYED PEAS—A very fine table pea much in demand by market gardeners. Pods are of good size and the peas are crowded in the pod. Lb. 20c, postpaid.

NEW ERA—Probably the best sort for the West and North; can be sown after the wheat is taken off the ground and still produce a good crop of forage peas, besides increasing the fertility of the soil for the succeeding crop, and leaving the ground mellow and free from weeds. Ask for prices.

WHIPPOORWILL PEAS—A favorite in Oklahoma, Texas and in the South generally. A vigorous, healthy grower, yielding an abundant crop of forage and grain. Write for prices.

BROWN SUGAR CROWDER PEAS—One of the most valuable varieties for table use. Heavy bearers of the finest quality. Lb. 20c, postpaid. By freight or express, lb. 15c; 10 lbs. \$1.00.

GALLAVANT OR LADY—The peas are small in size, of very fine flavor; superior in qualities to the Black-Eyed Peas. Very prolific. Price per pound, 25c, postpaid. By express or freight, lb. 15c; 10 lbs. \$1.25.

We are large dealers in Cow Peas and are in a good position to quote you attractive prices in lots of one bushel to a carload. Write us. If you have Peas to sell, send us a sample, stating quantity you have to offer. Make up and send us your order early.



A Field of Cow Peas

OKLAHOMA GROWN SEED CORN

This year we are handling Oklahoma grown, acclimated corn, grown especially for seed purposes, and some varieties are certified and all are selected, handpicked, nubbed and tipped and of high germination. Samples gladly sent on request.

CERTIFIED MIDLAND YELLOW DENT—A medium early variety originated and grown by a Southeastern Kansas grower for over 40 years. In variety tests of the Oklahoma Experiment Station the variety has proved to be outstanding in yield. Grown in Oklahoma and selected carefully by growers for several years. Adapted to a wide range of soil conditions in the eastern two-thirds of the State. Ears medium large to large, heavy; indentation medium smooth; kernels golden yellow, wide; cobs red. Lb. 15c; pk. 14 lbs., \$1.00, postpaid. By freight or express, pk. 65c; ½ bu. \$1.60; bu. \$2.00.

CERTIFIED SOUTHWESTERN YELLOW DENT—A medium early maturing variety of yellow corn originally developed by selection from a North Texas native corn by A. M. Ferguson, Sherman, Texas. Since 1925, the variety has been subjected each year to a rigorous selection with a view of eliminating certain objections. The present strain is adapted to soils of medium to high fertility. Ears medium in size, indentation smooth to medium smooth; kernels large golden yellow; cobs red. Ears are covered by tight husks, weevil resistant. Lb., 15c; peck, \$1, postpaid. By freight or express, peck, 65c; ½ bu. \$1.10; bu. \$2.00.

HICKORY KING—Lb., 15c; peck, \$1.25, postpaid. By freight or express, peck, 90c.

DWARF MEXICAN JUNE CORN—This variety is absolutely the best for late crop. Plant during May, June or July. If your spring crop has not been a success, due to unfavorable weather conditions, you can plant Mexican June Corn as late as July 15th. No other corn has the drouth-resisting qualities of our Dwarf Mexican June Corn. The stalks under favorable conditions grow 6 to 8 feet high, and the yield averages 30 to 50 bushels per acre. Of strong growth, it sends its roots deep into the soil, enabling it to resist drouth and hot summer winds better than any other sort. Lb., 15c; peck, \$1.10, postpaid. By freight or express, peck, 75c; ½ bu., \$1.15; bu., \$2.00.

TRUCKER'S FAVORITE. An early maturing, medium size white corn, and is largely planted by the market gardeners for roasting ears. Lb., 15c; peck, \$1.00, postpaid. By freight or express, lb., 5c; peck, 75c; bu., \$1.75.

NORTHERN GROWN SEED CORN

This year we are carrying stocks of Nebraska grown selected seed corn for early maturing crops.

IOWA SILVER MINE
IOWA GOLD MINE

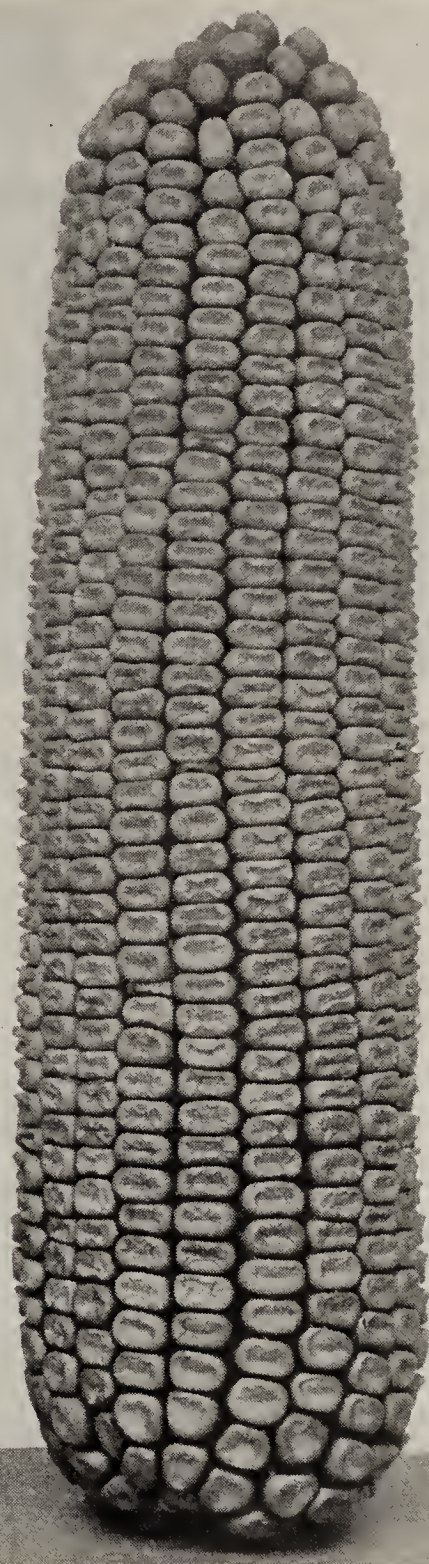
REID'S YELLOW DENT
BOONE COUNTY WHITE

1 lb., 10c, postpaid. By freight or express, f. o. b. cars. Tulsa, per peck, 50c; ½ bu., 90c; bu., \$1.50. Special prices in quantities.

SEMESAN, JR.

For Field
and Sweet
Seed Corn.

See Page 38



Corn—Dwarf Mexican June

POP CORN

Culture—Pop Corn is a very profitable crop, yields well even in unfavorable seasons and there is most always a good market for it. Plant at rate of 3 to 4 quarts per acre in drills 3 feet apart, dropping seed 1½ feet apart in the rows. Or plant in hills, using 4 to 6 pounds of seed per acre. Cultivate the same as field corn. May be planted with regular corn planter, using special plates.

JAPANESE or HULLESS—A splendid white corn, productive, having very little hard center or hull when popped. By mail, lb., 25c; by freight or express, lb., 20c; 10 lbs., \$1.75.

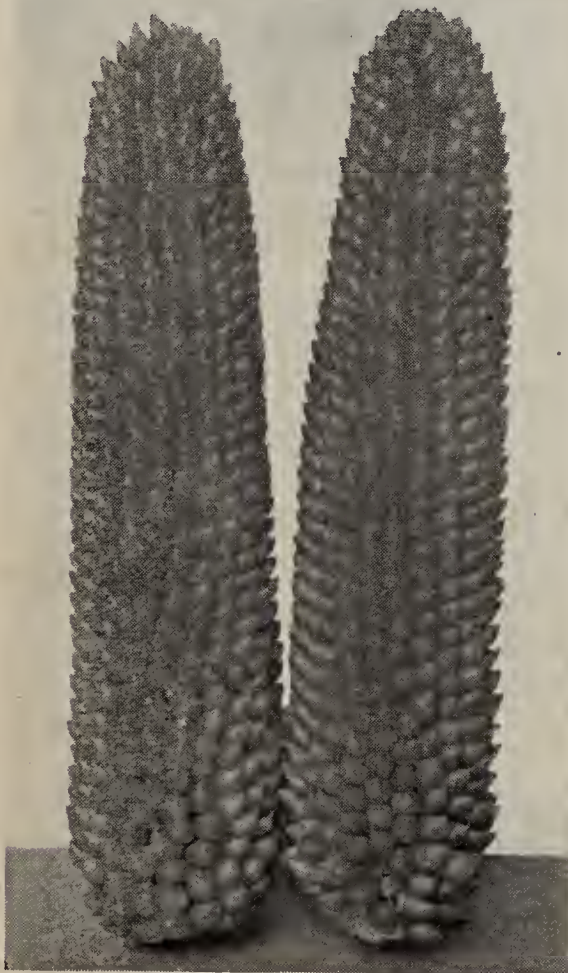
MAMMOTH SWEET—The largest white popcorn grown. Very tender and prolific. Lb., 20c, postpaid.

SOUTH AMERICAN LARGE YELLOW—A very fine variety of large yellow corn and in great demand by the poppers. Lb., 25c; 5 lbs., \$1.00, postpaid.

BUCKWHEAT

Buckwheat is used mostly for filling fields unplanted after the first of June. The blossoms furnish a large amount of honey for bees. It is well to remember that on worn-out soils a plowed-under buckwheat field is a great fertilizer and improved. Sow 25 lbs. to an acre.

JAPANESE—A popular and standard sort. Very large grains of dark brown color; early and heavy-yielding. Choice recleaned seed. Lb., 15c; 10 lbs., \$1.30, postpaid.



Popcorn



Hogs in Field of Dwarf Essex Rape

Dwarf Essex Rape

Sow 5 to 7 pounds per acre. As a healthy fattening food it has no equal. It stands without a rival in point of cheapness and feeding qualities. It is an annual, bearing a close resemblance in leaf and stalk to the rutabaga, but both leaves and stalks are more numerous in the rape plant and of a taller habit of growth. Dwarf Essex Rape thrives best on a good soil rich in vegetable matter. Slough lands are excellent. It is the simplest crop grown. It can be sown anywhere and everywhere and at all times after danger of frost has passed.

It may be sown in early spring to provide summer pasture for stock. Plow the ground same as for turnips, and sow 5 pounds per acre broadcast.

Special prices on large quantities. Lb., 20c, postpaid. By freight or express, lb., 15c; 10 lbs., \$1.25.

SUNFLOWER

MAMMOTH RUSSIAN—Produces very large heads, which are completely filled with the striped grains. It succeeds everywhere, and requires very little rain to insure a good crop. It makes a good food for stock and cannot be equaled as a food for poultry. Plant when the ground has become warm at the rate of 22 pounds to the acre. Lb., 35c, postpaid; by freight or express, lb., 30c; 10 lbs., \$2.00.

VETCHES

SAND VETCH—(Also called Winter and Hairy Vetch)—This legume is the farmer's ever-ready friend. Sand Vetch is a very popular forage plant, and is rapidly becoming popular as year after year farmers are learning more of its value. It is an annual, but re-sows itself, and will come up year after year on the same ground. Vetch is a legume, belonging to the pea family, but the vines are much longer and the foliage more abundant. It is noted for its extreme hardiness, wintering more certainly than wheat. It remains green all winter under the snow, and is ready for pasturing earlier than anything else. Drouth, heat and cold do not affect it. It is largely eaten by all kinds of stock. We earnestly recommend farmers to try it. Lb., 30c, postpaid; by freight or express, lb., 20c; 10 lbs., \$1.65.



WHAT ABOUT PRICES!

The Farmer, Doctor, Working Man and even the Capitalist have suffered a reduction in income during the past year or two. This means that we must be thrifty and make our funds go as far as possible.

Our prices here quoted are fair for the quantity listed, but we earnestly request truck gardeners' associations, community garden clubs and others to write us for special prices when they are in the market for a large quantity of seeds. We sell a great many orders of this character through a season, and we are just as anxious to sell you.

Remember **PERFECTION BRAND SEEDS** are of highest quality and will give you satisfaction.



Mammoth Russian Sunflower

PEANUTS

Culture—Prepare the ground well, laying it off in rows, with a shovel-plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about 1 foot apart. Cultivate thoroughly, and keep the land as level as possible. Three-fourths of a bushel of unshelled nuts will seed an acre.

MAMMOTH JUMBO—This variety grows to an astonishing size. The plants make compact bushes about 18 inches high, with heavy, erect stalks and large leaves. The giant nuts have thick, heavy-ribbed shells. Lb., 30c, postpaid. Write for prices in quantities.

TENNESSEE RED—The finest variety grown. Especially adapted to the black waxy land, as well as the sandy soil. The nuts contain three large kernels in each pod, and are enormously productive. Lb., 25c, postpaid.

SPANISH—In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. They grow more compact than the Virginia peanuts, making it possible to grow them closer, making cultivation easier also. This variety frequently yields 60 bushels of marketable peanuts and 2 tons of hay per acre. Lb., 20c, postpaid.

POSSIBLE FAILURE OF SOIL INOCULATION

Inoculation, while giving striking benefits, is by no means a cure-all for soil troubles. The bacteria concerned require satisfactory soil conditions if they are to flourish. In a very sour soil they do poorly and their growth can readily be improved by time. If a farmer is uncertain regarding the acidity of his soil, it is well to have the soil tested before seeding leguminous crops. For legume, as for any other crop, the seed-bed should be well prepared, the soil well drained, and its acidity neutralized by the use of lime.

EVER-GREEN
KILLS ANTS AND GARDEN INSECTS

See page 37 for full description and prices.

Grasses for Pasture and Lawns



Sudan Grass

SUDAN GRASS

SUDAN GRASS—The heaviest-yielding, most drouth-resisting hay grass ever introduced. Sudan Grass combines all the good features of Johnson Grass and has none of the objections. Sudan Grass is sown in the spring, as soon as danger of frost is past, either broadcast or in rows so that it can be cultivated. If in rows, $3\frac{1}{2}$ feet apart, 5 to 6 pounds to the acre will be required; if sown broadcast, 15 to 20 pounds. It stools freely and often from 80 to 100 plants may be found coming from one seed. As a drouth-resister, it has no equal, and may be depended upon when all other grasses succumb to dry weather. It may be mowed or cut with binder; the latter method is preferred, as Sudan Grass cures admirably well in shocks. Lb., 20c, postpaid. Write for prices in larger quantities.

Write for lowest market prices when ready to buy.

TIMOTHY—The most popular, nutritious, and salable hay grass. There are better grasses for pasture, but none for hay. Grazing close does not injure the second year's crop. Write for prices, stating quantity. Lb., 20c, postpaid; by freight or express, lb., 15c; 10 lbs., \$1.25.

KENTUCKY BLUE GRASS—An excellent pasture and lawn grass, succeeding best on limestone land, but does well on stiff or clay soils. It is rather sensitive to heat, but not to cold weather, and on this account does best in the spring, fall or winter. Sow in the fall or spring at the rate of 2 or 3 bushels to an acre. Lb., 40c, postpaid; by freight or express, lb., 25c; 10 lbs., \$2.30.

MEADOW FESCUE or ENGLISH BLUE GRASS—We regard this as one of the most valuable grasses as it adapts itself to different conditions of soil and climate. Especially suited for permanent pasture; also fine for hay. It gives a large amount of early and late pasture. It is a persistent grower; its roots penetrate deeply; it does well on wet or dry bottoms, hillsides, gravelly clay, and loamy lands. It never freezes out or winter-kills and is not easily affected by drouth. Sow 15 to 25 pounds per acre. Lb., 25c, postpaid; by freight or express, lb., 15c; 10 lbs., \$1.25.

RED TOP—Grows well in all soils, whether sandy, thin, dry lands or rich, wet soils. It is one of the most satisfactory grasses that can be sown; a fine pasture grass and is well suited for meadows. It sends out shoots at the base that take root at every joint, forming a dense, thick sod. Sow 10 pounds to the acre. Lb., 35c, postpaid; by freight or express, lb., 25c; 10 lbs., \$2.00.

DALLIS GRASS

DALLIS GRASS—In the experience of agricultural men throughout the South this plant may be acclaimed the "king of pasture grasses" because it comes nearer growing the year round than any other grass, whether in mild winter or dry summer; stock prefer it, fatten better, stops washed places quicker, and when well sodded it will give more high-class grazing than any other grass we know. Grows freely with Black Medic, Lespedeza and Bermuda. When well sodded and closely grazed it largely chokes out objectionable weeds. This grass is a rapid grower except in cold weather but as soon as a few mild days follow a freeze, it roots immediately and sends up new leaves. Gives fastest growth on most soils and satisfactory results on dry hill land, also. Sow 10 to 15 lbs. per acre. Lb., 50c; postpaid. Write for prices on quantities.

BERMUDA GRASS—Bermuda is a Southern grass. It delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, though, like other grasses, it gives better results on richer soils. Bermuda grass is very valuable for pasture, as well as for hay crops. It grows vigorously during the hot summer months when other grasses are parched and dead. It is very difficult to eradicate when once established. The seed should be planted in the spring. Seed requires 30 to 60 days to germinate. The ground should be well prepared with a good, firm seed bed, as the seed is small and is seeded broadcast at the rate of 10 pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground have become warm. Lb., 40c, postpaid; by freight or express, lb., 30c; 10 lbs., \$2.50.

BERMUDA GRASS-HULLED—Ordinary Bermuda seed is sometimes very slow to germinate. This year we are offering hulled Bermuda Seed which will germinate in a week to ten days. Price on hulled seed 50c per pound; 10 lbs., \$4.50, postpaid. Write for quantity prices.

ORCHARD GRASS—This is one of the most valuable and widely known of all pasturage grasses, coming in early in the spring and remaining green later in the fall than any other. It grows about $2\frac{1}{2}$ feet high, producing an immense quantity of leaves and forage. Sow $1\frac{1}{2}$ bushels to an acre, either spring or fall. Lb., 30c, postpaid. By freight or express, lb., 25c; 10 lbs., \$2.00.



Dallis Grass

Perfection Brand Grain Sorghums



Dwarf Black Hull White Kafir

KAFIR

KAFIR—The uplands of Kansas, Oklahoma and Texas will give much better cash returns when planted to Kafir, because when ground for feed, gives practically the same feeding value as corn. It does not require very much Kafir to seed an acre when drilled in rows $3\frac{1}{2}$ feet apart. 2 to 4 pounds of seed to the acre is all you will need. If you want to sow the seed broadcast or drill it with a drill for fodder, use 50 to 75 pounds per acre.

DWARF BLACKHULL WHITE KAFIR—Lb. 20c, postpaid; by freight or express, lb. 10c; bu. 50 lbs. \$1.75.

HEGARI

HEGARI—A new grain or forage crop similar to both White Kafir and Feterita. It is more desirable for grain than either, as the bad qualities of both have been eliminated. Feterita shells out pretty badly, and Hegari will not shell. Feterita is soft and pithy, while Hegari is solid and sound and with plenty of blades. Its dwarf habit of growth, 4 to 5 feet in height, and compact heads of large white grains make it very attractive. Hegari also produces large crops of grain. The stems are rather sweet and horses and cattle eat the stalks, fodder and grain if permitted to do so. Lb. 15c, postpaid; by freight or express, lb. 5c; bu (50 lbs.) \$1.25.

DARSO

DARSO is low growing, heavily foliaged, and has a large stalk which is usually tinged with red. It is remarkable for its uniformity in height and uniformity in shape and color of heads. The stalks are sweet and juicy, and chemical analysis of grain shows that the composition is very similar to that of Kafir. Darso matures earlier than Kafir, which fact has much to do with its drouth resistance. Darso makes excellent silage, and can be used for grain, forage or silage crop. Lb., 15c, postpaid; by freight or express, lb., 5c; bu. (50 lbs.), \$1.25.

MILO

STANDARD YELLOW MILO MAIZE—Grows 8 to 10 feet high. Per lb. 10c, postpaid; by freight or express, lb. 10c; bu. (50 lbs.) \$2.00.

DWARF YELLOW MILO—A dwarf improvement of the old Standard Yellow Milo. Grows 3 to 4 feet high, while the old variety grew 8 to 10 feet. Dwarf Milo is quite similar to the Standard Milo, but the heads all invariably bend over from the weight. It is not unusual for a head of Dwarf Milo to weigh one pound. The feeding value is the same as Yellow Milo. This variety seems to be more popular throughout the western plains of Kansas and Oklahoma. Lb. 15c, postpaid; by freight or express, lb. 5c; bu. (50 lbs.) \$1.20.

FETERITA

FETERITA—Grows from 6 to 8 feet high. The plant resembles Kafir, but the stalks are much more slender. Feterita should be planted in rows three and one-half feet apart and the seed should be dropped from eight to fourteen inches apart in the row. When Feterita gets up about eight inches high, it branches out from four to ten sucker plants and each of these sucker plants grow up the same as the main plant. On account of this suckering habit of Feterita it should be planted thinner than Kafir or Milo. The first or main seed head ripens 15 to 30 days before the heads of the suckers are mature enough for grain. The grain is white like White Kafir and about twice the size. Feterita matures in from 80 to 90 days from date of planting. Feterita is a great drouth resister, and in this respect will withstand continued heat and drouth better than either Kafir or Milo. Lb. 15c, postpaid; by freight or express, lb. 5c; bushel (50 lbs.) \$1.25.

MILLET

CULTIVATED GERMAN MILLET—Our stock of big German Millet is grown in rows and cultivated for seed purposes only. This makes a large yielding and most nutritious hay crop, quick growing and easily cured. Grows 4 to 5 feet tall with heads 5 to 6 inches long. Per lb. 20c postpaid; by freight or express, bushel (50 lbs.) \$1.50; 10 bushel lots, \$13.00. Price subject to change without notice.

During fall months we have large stocks of Northern-grown Seed Rye, Southern Abruzzi Rye, Certified Wheat, Certified Winter Barley, Austrian Winter Peas, all Clovers and Grasses. If interested in Seeds for fall planting we will appreciate your inquiries.

SPECIAL DIRECTIONS ABOUT SOWING—Nearly all grass seeds are very small and will not come up satisfactorily unless put in properly, and again, most planters will not use enough seed to the acre. The soil should be thoroughly prepared by deep breaking and thorough harrowing until a smooth bed is made, and the ground should be settled thoroughly before sowing. After sowing the seed, very little covering should be given with a brush or harrow that will cover it lightly. If the weather is likely to be dry, the ground should be pressed over the seed, so as to bring the seed in close contact with the soil to hold the moisture until the seeds get a good start.

HYDRATED LIME

An occasional application of Hydrated Lime on the lawn will correct acidity in the soil. Acid soils are usually caused by constant sprinkling and very often in shaded places of the lawn will be found a surface growth of green moss. Hydrated Lime will correct this by simply being applied on the surface and sprinkled. It loosens up heavy soils and prevents packing, baking and cracking. It promotes the normal decay of organic matter in the soil. It requires about one-half as much Hydrated Lime as any other form of lime to produce same results. Price for 10 lb. pkg. 20c each; 40 lb. bags, 50c.



Big German Millet

Perfection Brand Saccharine Sorghums

(FOR SYRUP AND FORAGE)

JAPANESE RIBBON CANE

While this variety is grown extensively for syrup, it is an ideal sort for silage, when a large tonnage per acre is desired. Usually grows 10 to 12 feet tall, producing 60 to 100 gallons of fine flavor syrup per acre. Our stock was grown especially for us from high bred seed. Lb., 25c; 5 lbs., \$1.00, postpaid. Not prepaid, lb., 15c; 10 lbs., \$1.25.

BLACK AMBER—90 days, the old original early variety grown almost exclusively for forage crop either alone or broadcast with cowpeas. Fodder quality. Lb., 15c, postpaid.

EARLY ORANGE—Matures a grain crop in 110 to 120 days. It is later than the Amber. Its stalks are heavier and shorter than the Amber. Its forage quality is first-class. Is very valuable for ensilage. One of the heaviest producers of ensilage of the entire sorghum family. Fodder quality. Lb., 15c, postpaid.

RED TOP or SUMAC—In our opinion this is the best variety for forage or dry hay. The stalks are much smaller than either of the Amber or Orange varieties. It requires 130 to 140 days to mature a seed crop. We do not recommend this variety for ensilage as strongly as we do the larger stalk varieties, but many of our customers say it makes very excellent ensilage. There is no better quality for forage than the Red Top. It will remain sweet and wholesome until late in May of the year following harvest. Lb., 15c, postpaid.

Our Field Seeds Are All of Very High Quality

There are several grades of field seeds on the market and prices differ according to grade. Be careful when buying, especially when you see seeds offered for considerably less than market value. Ask for prices when you are ready to buy.



Early Amber Cane

Broom Corn

SCARBROUGH DWARF No. 7—Our stock of this seed is from the originator. It is truly a wonderful variety of Broom Corn. The seed grows close out on the tips of the fiber and it has a straight full tip, with a very smooth round knuckle, and very fine, round, straight fiber, ranging in length from 14 to 20 inches as a rule with butts about

six inches long, and when harvested at the proper time the brush has a deep pea green color of very tough, wiry fiber. It is a wonderful drouth resister. The seed being all on the very tips of the brush make it very easy for the seeder to remove seed from the brush. Per lb., 25c, postpaid; by freight or express, lb., 20c; 10 lbs., \$1.60.

Root Crops for Stock Feeding

CULTURE. The Mangels may be grown in almost any soil, but deep loams are necessary for heavy yields of the long varieties. When well grown the roots give immense yields of very valuable food for stock. Plant early in the spring in drills two to three feet apart and cover the

MAMMOTH LONG RED—The roots of this variety grow to a larger size than those of the other sorts. They are well formed, with flesh of a blood-red color. Very nutritious. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid; by freight or express, lb., 40c; 10 lbs., \$3.00.

GOLDEN TANKARD—The most nutritious variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid; by freight or express, lb., 40c; 10 lbs., \$3.00.

seed about 1½ inches. Cultivate frequently. When about three inches high begin thinning and continue at intervals until the roots stand 8 inches apart in the rows. Use a packet to 25 feet of drill; an ounce to 100 feet; 6 to 8 pounds per acre.

GIANT HALF SUGAR MANGEL—This is a hybrid, or cross between the Mammoth Long Red and Sugar Beet, and in feeding value is far superior to either. As heavy a cropper as the mangels, sweeter and much relished by cattle and hogs. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid; by freight or express, lb., 40c; 10 lbs., \$3.00.



Mammoth Long Red—Mangel

Perfection Brand Supplies

PERFECTO FLOWER BOX

DESCRIPTION

The PERFECTO FLOWER BOX is recognized by scientific gardeners and florists as the correct idea in construction for growing house plants and porch plants. The problem is solved by means of the patented self-irrigating and air-circulating system.

Water is poured in either end and quickly seeks the level of the connecting troughs and soaks into the earth at the roots of the plants where you want it.

The drainage plug in the end is removable, to be taken out only when the box is in the open or accessible to rainfall.

The material used in construction is coppered steel, with a lead coat, which will neither rust nor deteriorate like plain galvanized iron and is the best material procurable for a long-life flower box to be continually under moisture. Green, red or ivory finish.



PRICES

26 inches long, 6 in. deep, 7 in. wide.....	\$1.50
32 inches long, 6 in. deep, 7 in. wide.....	2.00
38 inches long, 6 in. deep, 7 in. wide.....	2.50
44 inches long, 6 in. deep, 7 in. wide.....	3.00

WIRE HANGING BASKETS

Made of heavy wire, painted green.

12 inch	35c each
16 inch	50c each

Dyed green, sheet moss for lining wire hanging baskets. 80c per pound. Requires half pound to the basket.



AZALEA POTS

2/3 height of standard pots

We carry this style in the 6-7-8-9 and 10-inch, same price as standard pots.

FLOWER POTS AND SAUCERS

Best grade of red pots. Special prices to Florists using large quantities.

POTS AND SAUCERS CANNOT BE MAILED

Charge will be made for packing at 35c for orders amounting to \$3.00 or less. On larger orders add 10 per cent to amount of order. This barely covers the cost. We pack carefully but will not be responsible for breakage.

	Dozen	Per 100	Per 1000
2 in. diameter	20c	\$1.30	\$11.00
2½ in. diameter	30c	1.70	14.00
3 in. diameter	35c	2.25	20.00
4 in. diameter	50c	3.25	30.00
	Each	Dozen	Per 100
5 inches in diameter.....	10c	\$.90	\$ 6.50
6 inches in diameter.....	12c	1.30	9.00
7 inches in diameter.....	20c	2.00	15.00
8 inches in diameter.....	25c	2.50	20.00
9 inches in diameter.....	35c	4.00	
10 inches in diameter.....	50c	5.50	
12 inches in diameter.....	85c	9.50	

SAUCERS

	Each	Dozen	Per 100
5 inches in diameter.....	4c	\$.40	\$ 3.00
6 inches in diameter.....	5c	.55	4.25
7 inches in diameter.....	7c	.75	5.75
8 inches in diameter.....	10c	1.10	8.00
9 inches in diameter.....	15c	1.50	
10 inches in diameter.....	20c	2.00	
12 inches in diameter.....	30c	3.00	



RICHMOND PLANT TUBS

Are made of seasoned, selected Virginia White Cedar, are bound with electric welded wire hoops, three hoops to each. The tubs are nicely painted.

No. 6—Inside top diameter, 11 in. Bottom, 8½ in. Depth, 10 in. Each.....	\$1.30
No. 4—Inside top diameter, 9 in. Bottom, 7 in. Depth, 9 in. Each.....	1.00

BIRD NEPONSET BLACK PAPER FLOWER POTS

Every grower of plants, large or small, can cut his growing costs by using Paper Flower Pots.

Size	Per 100	Per 1,000
3 in.	\$.90	\$ 8.00
3½ in.	1.15	10.00
4 in.	1.50	13.00
5 in.	2.00	19.00
6 in.	2.80	26.00

BIRD EARTH BANDS

Crops whose value depends on how quickly they can be gotten to market are sure to be two to three weeks ahead when plants are started under glass. The use of Earth Bands makes it much easier to handle and transplant to the open field. Earth Bands also act as cutworm guards for the tender plants when they are in the open field.

Size	Per 100	Per 1,000
3x3x3	50c	\$3.75
4x4x3	65c	5.00

NICOTOX

The new modern Nicotine Sulphate preparation for delousing poultry and livestock. Nicotex eliminates the disagreeable, laborious job of dusting poultry and livestock.

To delouse poultry: Just paint it on the roosts—fumes do the rest.

To delouse livestock: Just wet the hair at points the louse contacts; fumes do the rest. Nicotex costs about one-half the price of similar preparations.

½-pint cans, 10-oz.....	\$.65 each
1-pint cans, 1¼-lb.....	1.15 each
1-quart cans, 2½-lb.....	1.80 each
1-gallon can, 10 lbs.....	5.50 each

Use 1 ounce for every 15 running feet of roost.

Perfection Brand Supplies (Cont.)



Timesaver Plant Support

Equally well used on flowers of one stem variety or on bushy plants of larger diameter of foliage.

Prices include one dozen round, cold drawn, galvanized steel stakes, pointed and looped, each stake complete with one galvanized sliding clip and loop. Also anchors on No. 3A.

The clip is made of galvanized wire and the loop of Java Fiber, thus making a long-lived support which is an important point when considering plant supports.

Per Doz.

No. 1, length 30 ins.	\$1.00
No. 2, length 3 ft.	1.25
No. 3, length 3½ ft.	1.80
No. 3A, length 4 ft.	2.50
Special Peony Support, 3-A-3½ in. with anchors, 5 ft. cord	2.25



POT LABELS

For marking Pot plants. The label is stiff enough to stand the pressure of pushing it in the ground.

No. 40—5/8 inches by 3½ inches;
per 100\$1.30

PERFECTION BRAND SELECTING LABELS

FOR MARKING PLANTS, TREES, BULBS, SHRUBS

Our metal "Waterproof" Plant and Tree Labels are made of thin copper or zinc alloy. The metal being indented shows the marking very plainly and will absolutely remain permanent. These labels do not rust.

TREE, TUBER OR BULB LABELS



Excellent for trees, shrubs and plants, also recommended for storing Bulbs during the winter. No. 1—¾x3¾ inches, per 100, \$1.25.

BULB BED MARKERS

This label is planted with the bulb, about one-half its length in the ground. Because this marker is flexible, the leaves or straw can be raked off without damage to the marker.

No. 55—1½x6½ inches, per 100.....\$4.00



WOOD LABELS

We can also supply non-curling Wood Labels:

4 inches, 100 (pkg.) at 35c per 100

5 inches, 100 (pkg.) at 35c per 100

HOW TO MAKE RECORD ON LABELS

Lay label flat on several thicknesses of folded newspaper or on a blotter. Write with a hard pencil or metal stylus. Bear down firmly and the result is an indented or embossed record that will be readable for years. Stylus, each, 15c.

Insecticides and Fungicides

Aphistrogen
KILLS APHIDS (PLANT LICE)
REG. U.S. PAT. OFF.

A scientific aphicide, perfected by Rose specialists, that quickly rids your plants of aphids, the destructive tiny green or pink soft-bodied insects, commonly called plant lice, found on the tender branches and foliage—weakening the plant and carrying disease.

APHISTROGEN also refreshes and invigorates the foliage. APHISTROGEN, while primarily perfected for aphids on Roses, is just as effective when used on other plants, either outdoors or in the house. APHISTROGEN will not turn the foliage yellow. It is invisible and non-poisonous, containing no nicotine sulphate. A complete spray. Simply mix with sixty times its volume of water.

When used alternately with Fungtrogen, the results are especially effective.

Prices: 2 ozs., 50c; ½ lb., \$1.25; 1 lb., \$2.25.

Ferogen
GROUND DRESSING
SOIL STABILIZER AND FERTILIZER
TRADE MARK

Spring Ground Dressing and Soil Stabilizer

A remarkable plant food, soil stabilizer and ground dressing for your roses. Ferogen should be cultivated into your rose beds in the spring and early summer. It supplies vital chemical elements and stimulates to vigorous root action and strong growth. In convenient semi-powdered form. Ferogen reinforces stable manure. 1 lb., 75c; 2 lbs., \$1.25; 5 lbs., \$2.75.

Fungtrogen
FUNGICIDE AND STIMULANT
REG. U.S. PAT. OFF.

Conquers Mildew and Black Spot. A highly concentrated fungicide invisible on the foliage and blooms. Fungtrogen is the most effective preventive and remedy for Mildew, Black Spot and other fungoid diseases of Roses and other plants. Fungtrogen is a complete spray, soluble in water, ready to use. Half pint cans, 85c; pints, \$1.25; quarts, \$2.00.

An ounce of prevention is worth a pound of cure. Spray your trees and crops.

All prices subject to market changes.

Insectrogen
KILLS MOST LEAF-EATING INSECTS
REG. U.S. PAT. OFF.

A highly effective insecticide for leaf-eating insects, including caterpillars, slug worms, Japanese Beetle, etc., and has definite fungicidal value for blackspot on roses. An effective destroyer of leaf tier on Chrysanthemums grown under glass, etc.

Use INSECTROGEN alternately, as a companion spray, with the famous fungicide Fungtrogen. This results in unusually fine foliage and blooms heretofore unattainable as to color, form and general beauty. A complete spray—only water is required. Makes sixty times its volume as a spray.

Prices: 4 oz., 65c; ½ pint, \$1.10; pint, \$1.85.

Insecticides and Fungicides

(CONTINUED)

TAKE THE SPECULATION OUT OF SPRAYING

Prices Subject to Change

Write for Quantity Prices

POISONS CANNOT BE SENT BY PARCEL POST



Acme Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on:

Cabbage, cauliflower, tomato plants, elon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

Prices: 1-lb. sifter carton, 25c; 5 lbs., 70c.

Acme All Round Spray

The latest improvement in the insecticide field; one product which will combat blight and fungous diseases, control sucking insects and destroy chewing insects in one application. Safe to use on almost all fruits, vegetables, flowers and shrubs. Write for descriptive circular. 1/4-lb. pkg., 40c.



Acme Paris Green

A rich, emerald color and of fine fluffy physical character. Containing 55 1/2 arsenious oxide, it will give quickest control where extreme measures are necessary.

For use on:

Potato, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

Prices: 1/4-lb., 20c; 1 lb., 50c; 5 lbs., \$2.40.



Acme Dusting Sulphur M.S.R.

For mildew, black spot on roses and other plant diseases. 3-lb. package 45c.

Acme Lime Sulfur

A standard 33° Baume lime and sulphur converted into a dry powder, but having all the effectiveness of the liquid product when dissolved in water.

For use on:

Dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite.

Prices: 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.



Acme Two-Way Spray

A balanced insecticide and fungicide containing 14% arsenate of lead and 83% Bordeaux Mixture. Two results with one application.

Use wet or dry on:

Apple, sour cherry, currant, and gooseberry, grape, pear, plum, strawberry, pecan, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables.

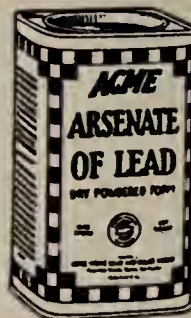
Prices: 1/2 lb., 25c; 1 lb., 40c; 4 lbs., \$1.40.



Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Prices: 1/2 lb., 20c; 1 lb., 35c; 4 lbs., \$1.00.



Acme Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture.

Price: 1 lb., 35c; 4 lbs., 90c.



Acme Spray Soap

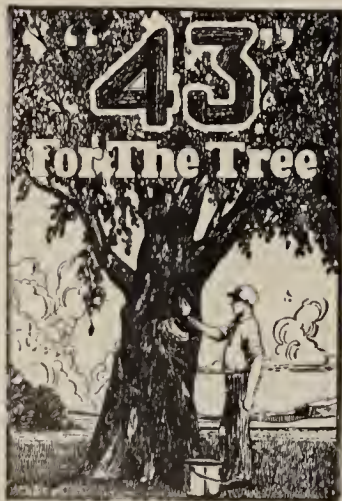
A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils in making oil emulsions to reduce the surface tension.

Prices: 1 lb., 35c; 5 lbs., \$1.50.

Spray peaches, plums and nectarines with dry lime sulphur in December and February. This will prevent curly-leaf and other fungus.



The "Acme Spraying Guide" Will Be Sent Upon Request.



"43" FOR THE TREE (PLASTIC)

(A Scientific Tree Surgery Compound)

1-lb. pkg., 50c; 2 1/2-lb. pkg., \$1.00; 5-lb. pkg., \$1.50

A cut or broken limb soon becomes diseased and the tree quickly dies. But let "43" work for you. Simply remove any decayed wood and fill the wound with this antiseptic, healing preparation. Anyone can quickly and easily doctor their trees.

"43" for the tree is a black plastic material composed of about 18 ingredients recognized as an aid to expert tree surgery work. It makes easy the natural growth of the tree as it conforms rather than binds the limb or trunk. "43" forms a waterproof dressing over the wound and checks disease.

Will not sag or run, but is light in weight and remains firmly in place. Can be applied all months of the year.

SUNOCO SPRAY OIL—The most distinctive characteristic of Sunoco Spray Oil is that it forms a perfect, permanent emulsion and will carry to every recess and cavity of bark or foliage in which insect pests choose to harbor. Scale insects include some of the most dangerous enemies of horticulturists. Booklet on Spraying mailed on request. Price: quart, 50c; 1 gallon, \$1.25; 5 gallons, \$4.75; 50 gallons, \$27.50. F. o. b. cars, Tulsa.

GRAFTING WAX—For flesh wounds or cuts on trees it is excellent and should be kept at all times ready for use. 1-lb. packages, 60c.

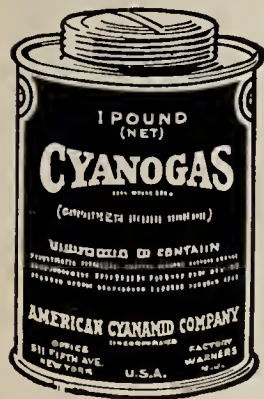
Insecticides and Fungicides, Cont.

Please note that poisons cannot be sent by Parcel Post.
SLUG SHOT—Slug shot, used from ocean to ocean. A light composite, fine powder, easily distributed either by duster, bellows, or in water by spraying. Thoroughly reliable in killing currant worms, chicken lice, slugs, sow bugs, bugs on cantaloupes, cucumbers, etc., and it is strongly impregnated with fungicides. Packed in cartons of 1 lb. each, with perforated top to dust out. 25c each; 5-lb. pkg., 75c.

HOFSTRA—A non-poisonous insecticide for home, farm or store. Kills flies, mosquitoes, ants, bed bugs, roaches, mites, lice, flies, potato-bugs, and cabbage worms. Spray Hofstra on flowers, vegetable plants, fruit and shade trees for certain insects. Pkgs., 25c, 50c and \$1.00.

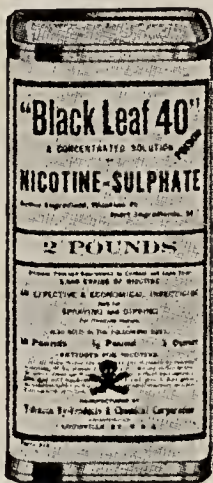
TOBACCO DUST—For green and black aphids, fleas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots. For insects on plants, apply with powder-duster or bellows; for worms or grubs in the soil, apply liberally to the surface and rake or strew thickly in drills before planting. Price, lb., 10c; 100 lbs., \$5.50.

BLACK LEAF 40—The insecticide so highly recommended by Experimental Stations. Destroys aphids (plant lice), thrips, leaf-hoppers on all trees, bush and vine fruits, vegetable, field crops, flowers and shrubs, without injury to foliage. You cannot go wrong by ordering Black Leaf 40 for sucking insects. Price, oz. (makes six gallons spray), 35c; 5-oz. pkg., \$1.00; 2 lbs., \$3.25.



CYANOGAS DUST — Calcium Cyanide is now well established with rapidly increasing demand. It is the most remarkable insecticide developed in many years. It controls greenhouse insects of all kinds; ants, chinch bugs, fleas, aphids, bed bugs and many others. Rats, moles, woodchucks, prairie dogs, ground squirrels, etc. Cyanogas A Dust is a powder and when pumped in a rat hole releases a deadly gas. The dust particles travel underground, releasing the gas as they go and the rat has no chance as the gas reaches wherever he runs. Price: ½-lb. pkg., 45c; 1-lb. pkg., 75c; 5 pkgs. for \$3.60.

TREE TANGLEFOOT — A perfect safeguard for trees and vineyards against Gypsy, Brown Tail, and Tussock Moth Caterpillars, Canker Worms, Cut Worms and Ants, and other creeping insects. It will remain sticky about three months fully exposed to the weather. One pound makes 12 to 15 lineal feet of band. On matured fruit trees and all shade trees is applied directly to tree trunks; on young fruit trees over strips of Manila Paper. 5-oz. pkg., 25c; 1-lb. pkg., 50c; 5-lb. pkg., \$2.25 each.



\$1000 GUARANTEED ROACH KILLER

\$1,000 Guaranteed Roach Killer is guaranteed to kill roaches and water bugs. It is prepared so that roaches will like it, which insures their eating it. It is absolutely sure to kill the roaches that eat it, yet it acts so slowly that the roaches linger on several days before dying, during which time they carry to their young such powder as may adhere to their bodies. 3-oz. cans, 35c; 7-oz. cans, 65c; 16-oz. cans, \$1.25.



Pyrox

For leaf-eating insects and plant diseases Pyrox is a combined insecticide and fungicide that kills bugs, prevents blight and rots, and improves the foliage, thus increasing the yield and improving the quality. Use it for all garden vegetables, potatoes, fruits and rose bushes. It sticks like paint, so frequent sprayings are not necessary. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes. Not prepaid, lb., 50c; 5 lbs., \$1.75; 10-lb. pkgs., \$3.00. Cannot be mailed.

KAYSO—Prepared Casein, a spreader and adhesive and for use in connection with Lime Sulphur. Bordeaux and Arsenate of Lead. Simplifies spraying, makes possible the perfect coating of every part of the tree and leaves. Remember that Kayso is not only a spreader and binder; it makes the poison stick and resistant to washing effect of rains; also saves material. 2-lb. pkg. is sufficient for 100 gallons of spray. Half-lb., 20c; 2-lb. pkg., 60c.

RAT NIP

Kills Rats Every Time

Rat Nip has no parallel for successfully destroying rats. It has an attraction for rats that they cannot resist. The odor and composition of Rat Nip is such that rats will scent it far away and when found they eat it ravenously 2½-oz. pkg., 30c. As this is poison it cannot be sent by mail.

KRO—Kills Rats Only

The original squill exterminator. Can be used with safety around the home, barn, poultry houses, warehouses, or any rat-infested building. Will not kill human beings, livestock, dogs, cats or poultry. 2-oz. pkg., 75c, postpaid.

B-K—A Disinfectant, Deodorant, Sterilizer

B-K is ten times more effective in destruction of germs and bacteria than undiluted carbolic acid. Contains no poison, acid, oil nor anything harmful to people, animals or food products. B-K is as clear and clean as water. It destroys the germs that cause odors and decay—helps to keep utensils and products clean and sweet. B-K is cheap to use, is concentrated—you add water to use. Costs ½c to 2c per gallon as used. Prevents poultry diseases, such as Roup, Canker and White Diarrhea. 4 ozs., 30c; pint, 50c; quart, 90c; gallon, \$2.00; 5 gallons, \$8.50.

B-K POWDER—9 1/3 oz. pkg. makes 1 gallon, 75c each; 28 oz. makes 3 gallons, \$1.50 each.

PRICES

1 oz. Bottle	\$.35
6 oz. Bottle	1.00
1 Pint Bottle	2.00
1 Gal. Tin	12.00

Use **EVER GREEN**
 NON-POISONOUS INSECTICIDE to
PROTECT YOUR GARDEN

1. **Highly Effective**—Insects are divided roughly into two classes—those that suck sap from leaves and stems, and those that chew the foliage. A different insecticide used to be necessary for each class. Now you can kill both kinds with one spray—EVER GREEN.
2. **Safe to Use**—EVER GREEN is absolutely non-poisonous to humans, animals and birds. No danger from eating vegetables or fruits that have been sprayed with EVER GREEN.
3. **Non-Injurious**—EVER GREEN may be sprayed on the tenderest plants or blossoms without fear of burning or discoloration. Will not destroy the fertility of the soil.
4. **Economical**—Because highly concentrated—a little goes a long way. 1-oz. bottle makes 6 gallons of spray for plant lice.
5. **Now requires no soap or other spreader.** Simply mix with water and spray.



MAILABLE—Being non-poisonous EVER GREEN can be sent through the mails.

POMO-GREEN (with Nicotine)



Controls diseases, leaf-eating insects and Aphis, Rose Aphis, Nasturtium and Sweet Pea Aphis, Japanese Beetle, Leaf Roller, Web Worm, Tent Caterpillar, Flea Beetle, White Fly, Rose Midge, Red Spider, Mealy Bug, Rose Black Spot, Rose Mildew, Rose Canker, Dahlia Mildew, Zinnia Mildew, Hollyhock Rust, Snapdragon Rust, and many others.

One pound cans 75c each; five pound can, \$3.00 each.

FAIRMOUNT—The Original Weed Killer Since 1892

Positively destroys any kind of weed and vegetation wherever applied. One gallon Fairmount Weed Killer makes 50 gallons of treating liquid, sufficient to effectively cover 100 to 150 square yards. Just the thing for driveways, tennis courts, baseball diamonds and walks where weeds are not wanted. Will not injure or discolor marble, gravel or stone, but makes it clean and bright. For 35 years—The Successful Weed Killer. By using FAIRMOUNT WEED KILLER you avoid digging up your paths and roads and they will soon become firm and free from dust.

List Prices: Qt., 70c; ½-gal. can, \$1.00; 1-gal. can, \$1.75; 5-gal. can, \$7.25; 30-gal. drum, \$33.00; 55-gal. drum, \$55.00.

Kill The Peach Tree Borer by Using Santochlor

The borer feeds actively in the fall, spring and summer months, and lies dormant in the winter. It attacks the soft inner bark usually just beneath the ground and sometimes along the larger roots. The presence of these pests is indicated by masses of gum mixed with brown frass or

"sawdust" exuding from the injured trunk. One treatment per year, preferably in the fall, will usually be sufficient protection. Santochlor penetrates the burrows of the borers. It is fatal to insects but harmless to man or beast unless taken internally. 1-lb. pkg., 60c; 5-lb. pkg., \$2.50.

Two Great Pest Controls

That Rid Your Home of Ants and Garden Pests—Quickly, Safely, and Surely!

Antrol

1. ANTROL—For sweet-eating ants—the kind that infest the house and are frequently seen on plants and trees. This is a complete system adapted to any sized house, composed of small glass containers and special Antrol syrup. The containers are partially filled with syrup and then placed about the outside edges of the house. Ants smell the mildly poisonous syrup, eat it and then transmit it to their queen. Soon the entire ant nest is destroyed.



Two Types of Antrol Sets

REGULAR consists of 4 water and dirt-proof glass containers and one 4 ounce bottle of Antrol Syrup, enough for two complete fillings. Price 75c per set.

READY-FILLED consists of 4 special glass "feeders" filled with regular Antrol Syrup. Price 50c per set.

Any number of Antrol Ready-filled Feeders may be purchased separately at 15c each.

ANTROL SYRUP for refilling 4 oz. bottle, 35c each.

ANTROL SYRUP, pint bottles, 85c each.

NOTE—Enough containers and syrup should be purchased to place one container every 15 feet around the house and along ant "trails" in the garden.

Snarol

TRADE MARK REG. U. S. PATENT OFFICE



2. SNAROL—For snails, cutworms, slugs, grasshoppers, sow-bugs, earwigs and other garden pests.

This is a ready prepared meal that you simply broadcast about the garden on the ground under the vegetables. The pests eat this meal and are quickly destroyed. Rains and sprinkling do not lessen the efficiency of Snarol.

Also SNAROL is non-injurious to vegetation.

Indorsed by gardeners and nurserymen everywhere for best results.

PRICES

1½-lb. package35c
4-lb. package85c

Get in plenty of insect ammunition.
You will need it early and often.

We Specialize in Seed Disinfection



CERESAN

for Seed Grains and Cotton Seed

The ethyl mercury chloride dust disinfectant for control of certain seed-borne diseases of wheat, oats, barley, rye, flax, sorghums, millets and cotton is easily applied, is harmless to the seed and does not clog the drill or cause breakage of its parts. Also used as a dust or dip treatment for narcissus bulbs. Prices: 8 oz., 50c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.

SEMESAN, JR.

for Field and Sweet Seed Corn

The organic mercury dust disinfectant for the control of Diplodia, Gibberella and Basiporium root rots; also for the prevention of seed rotting of early planted corn. Is quickly and easily applied, is harmless to the seed and does not appreciably slow up the rate of planter drop or prevent accurate planting. Prices—4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25.

SEMESAN

for Vegetable and Flower Seeds and Bulbs

The chlorophenol mercury disinfectant for combating many diseases carried on seeds, bulbs, corms, roots, or tubers of flower, vegetable and nursery crops. Reduces seed rotting and damping-off of seedlings. Applied either as a liquid or as a dust. Used as a liquid treatment for controlling "Brown Patch" of lawn and golf green grasses. Prices: 2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00; 25 lbs. \$56.25.

SEMESAN BEL

for White Seed Potatoes

The organic mercury dip disinfectant for the control of scab and Rhizoctonia carried on seed white potatoes. Quick, easy dip treatment that eliminates labor and loss of time required by 1½ or 2-hour soak treatments. One pound treats from 60 to 80 bushels of seed potatoes at the cost of 1½ to 3 cents per bushel. Prices: 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25.

Supply Department



Time Tested Remedies
For Use on Dairy Farms

KOW KARE

It has many uses on the dairy farm, its supply should never be permitted to get low. It is recommended for scouring, loss of appetite, bunches; especially favorable in cases of possible or threatened abortion. Widely recommended for barrenness, for retained afterbirth, for milk fever. There is no better medicine for cows. A handy book, "The Home Cow Doctor" mailed on application. Kow Kare, large size pkg., \$1.25. Medium size, 65c.



FIGARO LIQUID SMOKE

guarantees the most delicious meat you ever ate, and is the easiest, quickest and safest way to smoke it.

ABSOLUTELY EVERYTHING necessary to smoke, sugar-cure, flavor, and preserve meat is in the bottle ready to apply.

THE RICH, delicious taste of browned sugar blended with the zest of pure wood smoke and the spicy tang of real black pepper puts the savor of "Ole Virginny" into every cut of ham and slice of bacon.

GRANGE GARGET REMEDY

For that serious disorder peculiar to cows—Garget is favorably known to every dairyman. Price per can, 65c; enough to treat 15 cases.



BAG BALM



For all diseases of udders and teats, such as caked bag, sore teats, bunches, chapping, cuts or inflamed parts, you can use this remedy with perfect safety; positive results in every case. The use of Bag Balm will make decidedly easier milkers of your herd. Price 60c per can.



BLATCHFORD'S CALF MEAL

It is absolutely the only milk substitute containing the elements necessary for rapid and healthy growth and the only calf meal that is thoroughly cooked and prepared for digestion. 25-lb. bag, \$1.50; 100 lbs., \$5.95.

CONKEY'S KAFMEAL

Using Conkey's Kafmeal saves feeding whole milk, which always brings more on the market than it is worth as a calf feed. The milk can thus be saved and sold very profitably, since Conkey's Kafmeal costs only a few cents a pound and one pound mixed with five pounds of water will take the place of five pounds of milk. 25-lb. sack, \$1.20; 100 lbs., \$4.50.

BEE SUPPLIES

We carry in stock a first-class line of Bee Supplies and issue a separate catalogue. If interested in Bee Supplies write us and catalogue will be mailed promptly.

KEEPING QUALITIES beyond belief. Age doesn't spoil it, but only improves its flavor.

FIGARO'S PURITY and effectiveness are guaranteed. It has been on the market over twenty-five years, giving perfect satisfaction to its users.

REGARDLESS of the method used in curing meat, an application of FIGARO LIQUID SMOKE should be used to insure delicious, wholesome meat the year round.

32 oz. bottle, \$1.50; 16 oz. bottle, \$1.00; 8 oz. bottle, 50c; 4 oz. bottle, 30c.

Meat Curing Made Easy

Morton's Sugar Curing Smoke Salt is an improved meat-curing salt—a perfect blending salt, sugar-cure and smoke. It is so easy to use and cures so thoroughly that you'll never want to go back to old methods of curing and smokehouse smoking. With Morton's Smoke Salt, you salt-cure, sugar-cure and smoke the meat all at the same time. No smokehouse is needed. All the flavoring and preserving qualities of salt, sugar-cure and pure wood smoke penetrate uniformly into the meat. The rich natural juices and tasty fats are all retained. There is no chance for meat to become smoke-dried and smoke-hardened. Results are uniform. Ten pounds cures and smokes 100 pounds of meat.

10-lb. can, \$1.00. Case, six 10-lb. cans, \$5.00.



Rabbit Feeder

RABBIT SUPPLIES

FEED CROCKS
Each 20c, doz. \$1.60

WATER CROCKS
Each 20c, doz. \$1.60

SALT SPOOLS

White, doz.40c
Sulphur, doz.50c

REMEDIES

	Each
Slobber Remedy	.....50c
Worm Remedy	.....50c
Diarrhea Remedy	.....50c
Cold Remedy	.....50c
Pot Belly	.....50c
Eye Drops	.....50c
Ear Canker	.....50c
Tattoo Markers	.....35c
Tattoo Ink	.....35c
Excelso Tonic and Regulator	.....\$1.00



Rabbit Waterer

Supply Department (Cont.)

PURINA DOG CHOW

Just the thing for feeding dogs



A food that will keep the dogs in the best of health.
A food that dogs like.
A food that is easy to keep and feed.
Purina Dog Chow was developed by Purina's animal nutrition experts for the job of keeping dogs healthy. They tested many feeds in their laboratories and experimental kennels before they found the proper combination of nutrients to give dogs everything they need. It took 10 different ingredients and Purina contains them all in just the right amounts.

Puppy and small dogs love the new small sized Dog Chow Checkers. Larger breeds like either size.
Both sizes 10c lb.; 5-lb. bag 50c; 25-lb. bag \$2.00; 100-lb. bag \$7.00.



PERFECTION DOG FOOD

A balanced Meat-Cereal food for puppies and grown dogs. Perfection dog food served alone, that is, with water or milk, is a well-balanced meal in itself.

5 lb. bag 50c; 10 lb. bag 70c; 25 lb. bag \$1.35; 100 lb. bag \$4.50.

Pulvex

A Lice and Flea Powder

Some small animal owners, particularly those owning dogs, cats and poultry, prefer to dust them to get rid of lice and fleas rather than wash or dip them. In such cases we recommend Pulvex, a non-poisonous, odorless product, which is sure death to lice and fleas. Price: 2-oz. pkg., sifter top, 50c each; 12-oz. pkg., \$1.25 each.

PERFECTION FLEA POWDER

Sure death to fleas on dogs and cats. Non-poisonous, odorless, non-irritant. 3-oz. package with sifter top, 35c each, postpaid.

NEMA WORM CAPSULES

For the removal of hookworms and roundworms in dogs and foxes. Effective, safe, economical. A Parke Davis product.

	Per Box of 12	Per Box of 50
No. 188—For puppies, toy dogs, cats	25c	\$.60
No. 187—For little pigs, small adult dogs.....	40c	1.20
No. 189—For 50 lb. hogs, lambs and medium size dogs	60c	2.00
No. 190—For 150 lb. hogs, large dogs, adult sheep and goats.....	75c	2.50

SERGEANT'S DOG REMEDIES

Have been before the public for over half a century. Dog owners can rely upon Sergeant's Remedies at all times to be safe and effective and the last word in scientific treatment of canine ills. Sergeant's Book on Dogs mailed on request.

	Postpaid
Mange Remedy	65c
Condition Pills	60c
Sure Shot Capsules. For roundworms, pinworms and hookworms	60c
Puppy Worm Capsules	60c
Tapeworm Remedy	60c
Arsenic and Iron Pills. A blood purifier. For treating blood and skin diseases.....	60c

CHAMPION DOG FOODS



Are Clean Enough for Human Consumption. Pure Cod Liver Oil is used in Champion Biscuits.

Champion Dog Biscuit is composed of clean, sweet meats — twenty-five per cent more than in any other dog food — and the choicest of cereals and ground grains; all perfectly blended in the proportion best suited to the needs of the dog. Being heavy with protein — the real essential basis of all dog foods — Champion Dog Biscuit is most nourishing. It is truly "The Balanced Ration" in every sense.

Champion Dog Biscuit is intended as a regular and steady diet. Being a balanced ration, it supplies food elements necessary to produce smooth, glossy coats, regular habits and general good condition. Champion Dog Biscuit builds bone and sinew, imparts strength and stamina.

Also Special Biscuits for puppies, and Kibbled Dog Food.

CHAMPION DOG FOODS

	Per lb.	25 lbs.	100 lbs.
Puppy Biscuit	\$0.15	\$2.55	\$9.25
Puppy Meal .....	.15	2.55	9.25
Kibbled Dog Food .....	.15	2.55	9.25
Dog Biscuit .....	.15	2.55	9.25



CHAMPION DOG REMEDIES

CHAMPION QUICK ACTION WORM EXPELLER—FOR DOGS. Safe and easy to give. Box 6 treatments, 60c; box 12 treatments, \$1.00.

CHAMPION QUICK ACTION WORM CAPSULES for puppies. Packed 6 treatments to pkg. 60c.

CHAMPION CONDITION TABLETS—A restoration tonic for building up the blood and general condition of the dog. Per bottle of 50 tablets, 60c.

CHAMPION COD LIVER OIL—An improved Norwegian Cod Liver Oil. Eight ounce bottle, 60c.

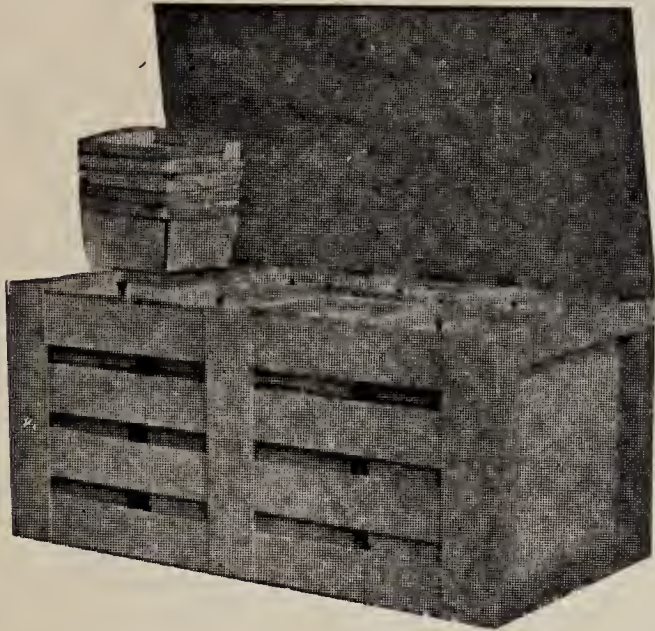
SUPERCEDAR KENNEL BEDDING

Keeps your dog's bed free of fleas. A pleasant deodorant and natural enemy of fleas, lice, mites and moths. Supercedar Kennel Bedding is made from Tennessee Aromatic Red Cedar, the heart wood of which contains the wonderful oil of cedar. Supercedar Kennel Bedding is produced 90% or more of red heart wood, scientifically dried, and none of the valuable oil has been removed. Price, 5-lb. bag, 50c; 50-lb. bag, \$3.00.

We also carry in stock Caked Cracklings, Shredded Wheat, Cracked Rice, Pearl Barley, Rolled Oats, etc., for dogs and will be glad to quote prices on request.

Canker Wash. For treating ear canker.....	60c
Well Mouth. For treating sore mouth and black tongue	60c
Pepsin Tablets. For treating indigestion.....	60c
Diarrhea Remedy	60c
Cough Medicine	60c
Rheumatic Pills	60c
Dog Rub. A splendid liniment for lameness, sore muscles and swollen limbs.....	60c
Eye Wash	60c
Constipation Capsules	60c
Run Fit Medicine	\$2.00
Carbolic Tar Soap	25c
Skip-Flea Powder	25c

STRAWBERRY BOXES AND CRATES



AMERICAN STYLE

	Per 100	Per 1000
Quart Boxes	\$.85	\$7.00
Pint Boxes .....	.80	
Quart Crates, each, 25c	17.00	
Pint Crates, each 25c.....	17.00	

If interested in quantities ask for lowest market price.

PARD

A meat food product made by Swift & Co. Ready to serve ration made especially for dogs and cats of all breeds and ages by specialists in animal nutrition. 1-lb. cans, 10c; per case, 48 cans, \$4.45, f. o. b. cars Tulsa.

SPRATT'S DOG FOODS



These are always dependable and have been used by dog fanciers for over 37 years.

Spratt's Charcoal Biscuits—These biscuits are quite easily edible. The charcoal absorbs impure gases in the stomach and intestines and acts as corrective of internal ailments, fetid breath, etc. Lb., 15c.

Spratt's Rodnim—Rodnim can be given dry, soaked in water, broth or gravy or mixed with boiled chopped green vegetables. Lb., 15c; 25 lbs., \$3.50; 100 lbs., \$13.00.

Spratt's Ovals—The pocket dog biscuit. A small meat-fibrine dog biscuit of superior quality. A few of these diminutive dog cakes can be carried in the pocket when on a ramble with the dog. Lb., 15c; 25 lbs., \$3.50.

CATNIP MICE



Cloth mouse filled with catnip. Cats and kittens frolic and cut up all kinds of antics when given a catnip mouse. It is a necessity for every family that keeps a cat or kitten. Very important that growing kittens have catnip. 15c each; \$1.95 per dozen.

Wheelbarrow Grass Seeders

ROYAL CHAIN FEED SEEDER

Have won for themselves first place among all kinds of grass seeders. They have demonstrated that they are the most accurate and economical machine for sowing Clover, Timothy, Alfalfa and other small seeds broadcast. They run easily, and sow evenly in windy weather. The quantity



of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the machine runs over the ground. This seeder has a strong steel wheel 32 inches in diameter, with an inch and a quarter by one-quarter inch steel tire, is operated by a de-



vice that engages the wheel close to the hub. It is instantly thrown out of gear, and the amount of seed sown is quickly governed by changing a screw in the index. This seeder does not injure or bunch the seed, but evenly distributes it the full length of the hopper. Price: 14 feet, \$11.75 each; 16 feet, \$12.75 each.



THE CYCLONE SEEDER—Sows all kinds of grain and seeds perfectly—oats, cow peas, millet, etc. Each, \$1.85, postpaid.

PEAT MOSS IN THE GARDEN SCHEME

Peat moss is a new element in gardening that is just beginning to figure in the gardeners' scheme of affairs. It will figure more importantly as its value is known. Peat moss is peat in commercial form, ready for use in the garden. It is a soft brown granulated material which comes in big bales at moderate prices. One bale will go a long ways in garden value.

One highly recommended use of the moss is to top-dress lawns where it produces very gratifying results. The usual directions are to sow the grass seed in the usual manner, then cover the lawn with a mulch of half an inch of peat moss. It is fine and light and lumps are readily broken up. They should be crumbled before it is applied.

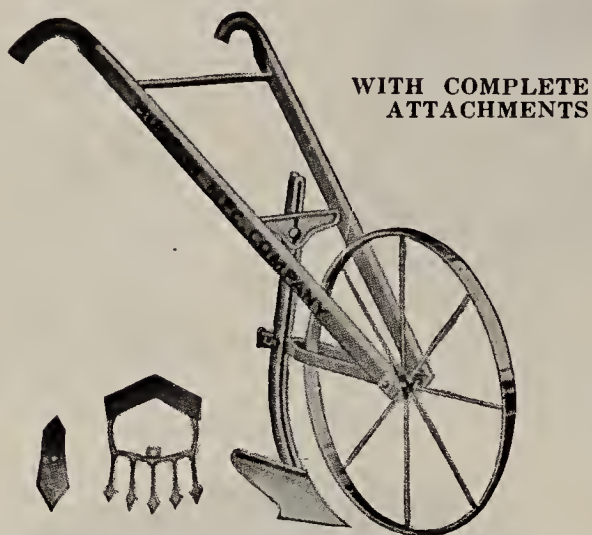
The grass comes through speedily and makes more luxuriant growth than under the usual lawn methods.

Peat moss has an acid reaction in the soil and as it is a sterile medium the claim is made that it prevents damping off. It is very valuable material to dig into the soil to give greater water retentive qualities to sandy soils. It is very useful as a winter mulch put on after the first freeze and being effective in preventing heaving.

As mulch in summer it is too waterproof to be as valuable as it might be, as it keeps off moisture in the form of rains as effectively as it keeps in moisture in the soil. It is most valuable dug in. Per bale of 6 cubic ft., \$2.25, f. o. b. Tulsa.

Garden Implements

HUDSON GARDEN PLOWS



The high-wheel garden plow is a universal favorite with the truck gardener where the work is sufficient to justify separate machines for seeding and cultivating. It has all the equipment for plowing, hilling, raking and cultivating, either wide and shallow or narrow and deep. Wheel is 24-inch for easy traction. Equipment includes turning plow, combination hoe and cultivator and double-point shovel. Price, \$3.75 each.

HUDSON SEEDER AND CULTIVATOR

As a seeder, this machine opens furrow, drops seed, closes furrow, packs earth and marks next row—all in one operation. By removing seeding parts, machine becomes double or single wheel cultivator, rake or plow.



Very accurate. Seed regulator entirely of brass, die-cut instead of cast or molded. This important feature makes the Hudson Seeder outstanding in operation and results obtained. Sows any seed from beans down to smallest garden variety.

Has brush force feed, guaranteed not to injure most delicate seed. Adjustable to sow in continuous rows or in hills from 4 to 24 inches apart. Seed flow is visible at all times. Handles are plow-handle type, adjustable to suit operator. Has 16-inch wheel, malleable iron frame. Hoes, shovels and plows are high-grade steel. Price, \$14.50 each.

HUDSON JUNIOR SPRAYER



The Hudson Junior is a high-pressure sprayer for whitewash, water paints, insecticides, etc. Tank is riveted and soldered at all seams. Handle and top are malleable. Equipped with high-pressure spray hose, brass extension, automatic shut-off and angle nozzle. Various nozzle discs are furnished for various kinds of work. Price, brass tank, \$5.75; galvanized tank, \$4.25.

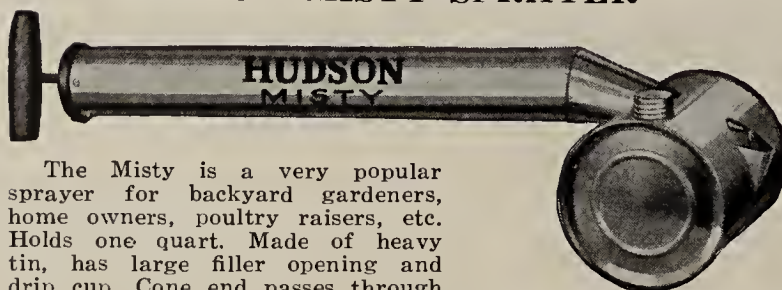
HUDSON PERFECTION SPRAYER



There is only one Perfection Sprayer—Hudson makes it. Special features include: All seams completely riveted and soldered; pump threads into top, enabling operator to remove entire assembly in one operation. Malleable winged top prevents breakage and loss of time in removing pump in case of rusting or sticking. Has adjustable shoulder strap. Tank holds 4 gallons. Discharge equipment includes 27 inches 5-ply spray hose, 24-inch brass extension, automatic shut-off and variable disc nozzle for

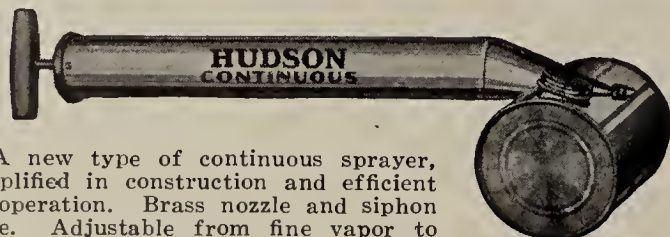
different classes of work. Price, galvanized tank, \$5.50; brass tank, \$8.00.

HUDSON MISTY SPRAYER



The Misty is a very popular sprayer for backyard gardeners, home owners, poultry raisers, etc. Holds one quart. Made of heavy tin, has large filler opening and drip cup. Cone end passes through tank to make a very rigid construction. Price, 40c each.

HUDSON CONTINUOUS SPRAYER



A new type of continuous sprayer, simplified in construction and efficient in operation. Brass nozzle and siphon tube. Adjustable from fine vapor to solid stream. Holds approximately one quart. Price, 70c each.

HUDSON MAJOR DUSTER



An efficient and powerful duster for all dry powder insecticides. Handles Paris Green, Arsenate of Lead, Cyanogas dust and similar poisons; powder reservoir 2 3/4 x 5 inches. Pump is 9 inches long. Special construction prevents clogging and keeps dust from backing up into pump compartment. Equipped as shown. Price, \$1.00 each.

Sprayers

SUNSHINE SPRAYERS

It is adapted for orchards, vineyards and truck gardens; for whitewashing poultry houses and dairy barns; spraying stock dips, etc. Its two-wheeled construction enables it to be used on hillsides or on uneven ground without danger of tipping. Pump is fitted with dasher type agitator driven by each stroke of the plunger. Valves are bronze balls mounted in brass cage, accessible without dismantling the pump. Cylinder is seamless brass. Tank is heavy gauge copper bearing galvanized steel; capacity, 12½ gallons. Discharge equipment consists of 5 feet of ¾-inch, 5-ply hose, two feet of iron pipe extension and angle spray nozzle. Price each, \$15.00.



HUDSON BARREL PUMP

This pump will meet every requirement of a perpendicular barrel pump. It is powerful, light and durable, and will maintain a working pressure of 200 pounds. Has capacity for two lines of hose if desired.

Cylinder, seamless brass tubing, 1¾ inches in diameter, 7 inches long. Air chamber, high carbon steel 2 inches in diameter, 30 inches long. Valves, bronze balls, easily removed for cleaning. Agitator, swinging type, driven with each stroke of the handle. Discharge equipment, 12½ feet of ½-inch spray hose and ideal angle spray nozzle. No. 4-A Pump as above, price.....\$13.00

HUDSON SPRAY HOSE

Hudson Spray Hose is made especially for spraying purposes. The inner liner is of special composition not affected by the chemical action of the various spray solutions. ¾-inch size, 5-ply hose, 20c per foot; 25 or more at 15c per foot.



ARMSTRONG SPRAY PUMP

The Armstrong is not merely a "bucket" pump. It is a bucket, barrel or knapsack pump as desired. If you have several hundred trees, buy the Armstrong and 20 or 30 feet of hose; put a barrel on a sled or drag and you are ready to spray from 300 to 500 trees a day. Working without ladders, platforms or cumbersome extensions you can spray the tallest fruit trees from the ground. It sprays only on the down stroke. Price, \$5.50 each, postpaid.

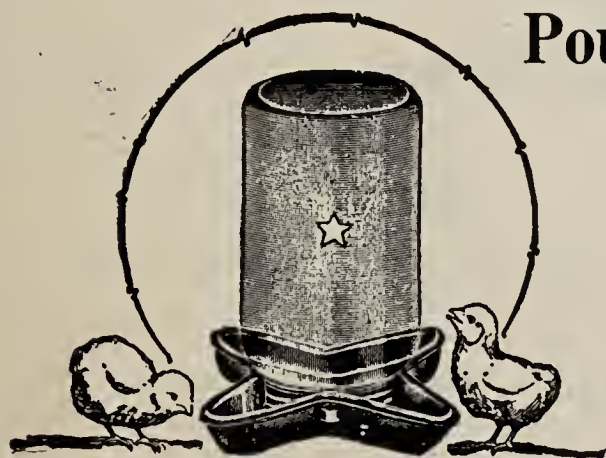
It's Double Acting



The Same Spray With Half The Labor

It is necessary to be prepared to fight any and all kinds of insects, blight, fungus growths, blotch, bugs, and other destructive pests. This may be accomplished by possessing a sprayer capable of performing the work you find it necessary to do. We sell many dozen Standard spray pumps each season, and the demand for Compressed Air Sprayers is increasing each season.

Poultry Supplies



STAR FOUNT

STAR FOUNT

Made of a single piece heavy non-rusting material. Each, 10c; 1 dozen, \$1.10, postpaid.

TESTED THERMOMETERS

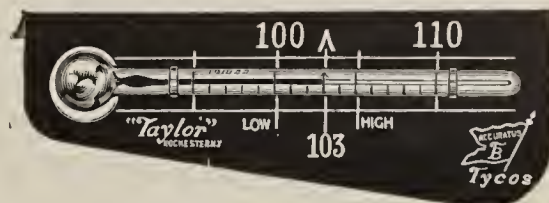
The best incubator or brooder is useless unless the thermometer used therein is accurate. Hundreds of hatches in incubators fail because of inferior thermometers. A large number of chickens are killed in brooders owing to defective or worthless thermometers. The thermometers listed herein are manufactured especially for us, and are thoroughly tested and seasoned before they are shipped.

Tycos Certified Incubator Thermometer

Engraved tube, every fifth line and figure stamped on the scale. Each one accompanied by maker's certificate of accuracy. Each, \$1.00.

Taylor Brothers Incubator Thermometers, 80c each; postpaid, 90c.

Taylor Brothers Brooder Thermometers, 65c each; postpaid, 75c.



Poultry Supplies (Cont.)



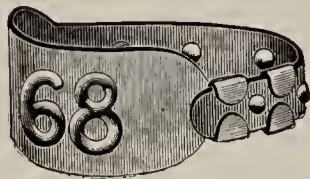
Just Paint it on the Roosts!

—Before the chickens perch. Only a small paint brush and a can of "Black Leaf 40" are needed. While chickens roost, fumes are slowly released and penetrate the feathers; killing lice. Eliminates individual handling of birds. Ask your dealer or write us. Tobacco By-Products & Chemical Corp., Inc., Louisville, Ky.

"Black Leaf 40"
Kills Poultry Lice

1 oz. Bottles	.....\$ .35
5 oz. Bottles	.....1.00
1 lb. Bottles	.....2.25
2 lb. Tins	.....3.25
5 lb. Tins	.....5.85
10 lb. Tins	.....9.85

LEG BANDS



CHAMPION LEG BANDS—The oldest and most popular band on the market. The band is made in one piece in two sizes, adjustable to fit any fowl. They will stay where you put them. Held by double lock, it is impossible for them to lose off. Made of best quality

aluminum. Price, postpaid: 12 for 15c, 25 for 25c, 50 for 40c, 100 for 75c.

ASSORTED COLORED CELLULOID LEG BANDS—Dozen, 15c; 50 for 50c, 100 for 70c.

VICTOR BANDS—In colors with large printed numbers. 55c per dozen; \$4.00 per 100.

BANDETTE—The best colored Celluloid Leg Bands. Spring clip pattern. Neat and jointless appearance. Double numbers easy to read. 25c per dozen; \$1.50 per 100. Packed in boxes. State what size wanted when ordering.



DOUBLE NUMBER PIGEON BANDS—Same style as Economy Double Number. Dozen, 25c; 100, \$1.50. postpaid.

EGG TESTERS

Each, 25c.

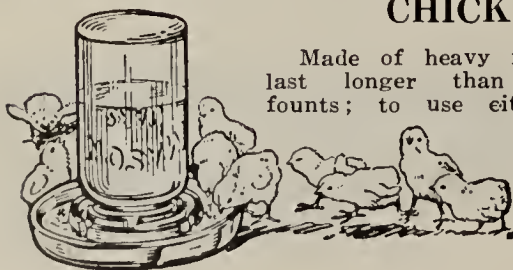
MASON JAR FOUNT

Very substantial pan with heavy rolled edge. We do not furnish the glass jars. Each, 10c; postpaid, 15c; dozen, 90c; dozen, postpaid, \$1.25.



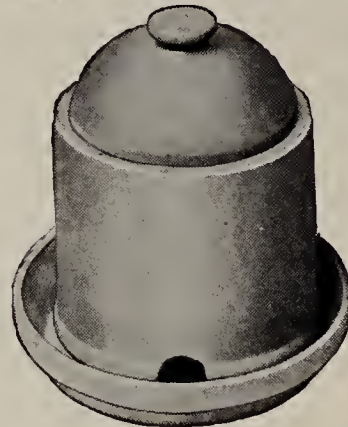
MILLER'S GLASS CHICK FOUNT

Made of heavy rolled glass. Will last longer than ordinary metal founts; to use either for milk or water; sanitary, easy to clean and fits ordinary Mason jar. Each 25c, postpaid 45c.



STANDARD GRIT AND SHELL BOX

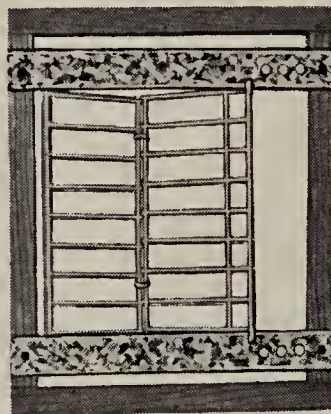
This grit and shell box has slanting front, inclined top and round bottom to trough. For large fowls we recommend the three-compartment hopper described above. Price, \$1.25. Shipping weight, 2 pounds each.



STONEWARE DRINKING FOUNTAINS

One gallon size, two openings, suitable for butter-milk or water. 40c each; 1/4 gal., 20c each; 1/2 gal., 30c each.

RELIABLE TRAP NEST FRONT



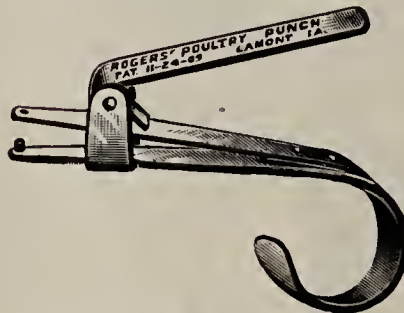
This is a trap nest that your hens will like. When the drop is down it permits a free circulation of air, and will eliminate much loss through hens dying of heat on the nest. It is positive and free in action and almost noiseless. There is nothing better at any price.

No. 415 Trap Nest Fronts 30c each; doz. \$3.25.

POISONED WHEAT

Sure death to rats, mice, gophers and moles. Put a little of the wheat in a box, pan or saucer in a convenient place where the rats, mice, etc., can find it; they will do the rest. 2-oz. pkg., 15c; 5-oz. pkg., 30c. Cannot be sent by mail.

MONEY-BACK POULTRY PUNCH



The cut is two-thirds size of punch.

The only guaranteed chick marker on the market. It hangs handily when marking the chicks so that the operator can readily see what he is doing. Price, postpaid, 40c.

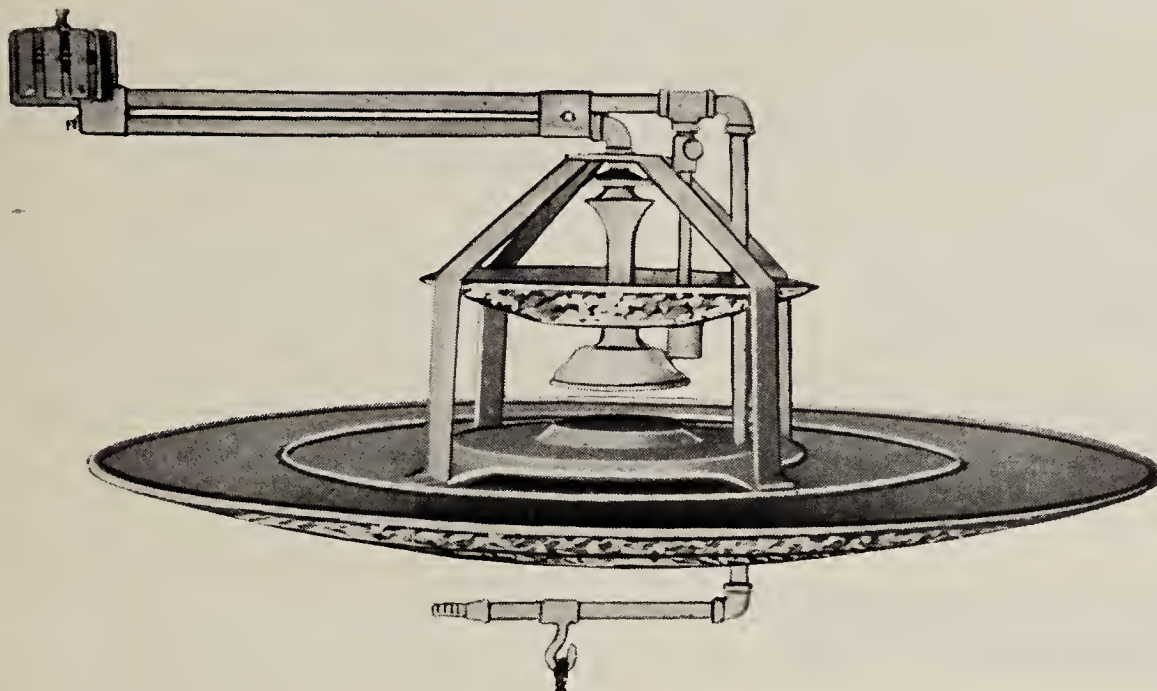
PETTY'S PERFECT POULTRY PUNCH—All steel nickel plated. Punches clean hole; right size, will not bruise foot. Price, 25c, postpaid.

Use PEAT—The Perfect Poultry Litter!

PEAT LITTER is nature's own perfect poultry litter! Antiseptic and highly absorbent, it takes up all moisture, gases and odor from the droppings. Guards against colds, roup and other diseases by eliminating floor dampness and filth. Vermin will not breed in it. PEAT POULTRY LITTER is absolutely safe from fire. Will not blaze! Ideal for baby chicks and brooder houses.

PEAT POULTRY LITTER IS ECONOMICAL; lasts SIX MONTHS or more. After use is very valuable as fertilizer. Sanitary, Absorbent, Odorless, Economical, Dustless. Per bale of 20 bushels, about 140 lbs., \$2.50.

The Reliable Gas Brooder



No. 500—36-Inch. Capacity 500 Chicks.....Price \$13.50
 No. 700—48-Inch. Capacity 750 Chicks.....Price 16.00

Shipping weight 23 lbs. and 30 lbs. respectively.

The Reliable Gas Brooder is the result of years of exhaustive experiment on the poultry ranch and scientific mechanical development in the reliable factory. Practical and economical in operation, low in first cost and of pleasing appearance, this brooder has attained great popularity.

Constructed of the best quality galvanized copper bearing iron, reinforced around the edge with heavy wire. The canopy is pressed from one piece of seamless metal, making it extremely durable, rigid and properly shaped. The Reliable Brooders are equipped with Baffle Plate below the burner, which eliminates the fire hazard, and permits hanging the brooder closer to the floor, throwing the heat further out and over the backs of chicks. This new safety feature means a great saving in fuel and insures a more uniform heat for the chicks. The brooder is also equipped with suspension brackets which permit the easy removal of the burner for cleaning.

New type burners with hot point flame furnish ample heat. This type insures perfect combustion before the flame comes in contact with the steel plate. The separate pilot light burns constantly with a clear blue flame, and is not easily extinguished. During the heat of the day the thermostat shuts off the main burner, and when temperature lowers, the gas starts flowing automatically, and is ignited by the pilot.

The Reliable Gas Thermostat is equally efficient with all kinds of gas. The double wafer is extremely sensitive to the slightest change. The valve and seat are made of brass, so shaped that they cannot stick and will wear indefinitely. The working parts are protected from damage by a metal cage.

Sol-Hot "Feather-Heat" Oil Canopy Brooder

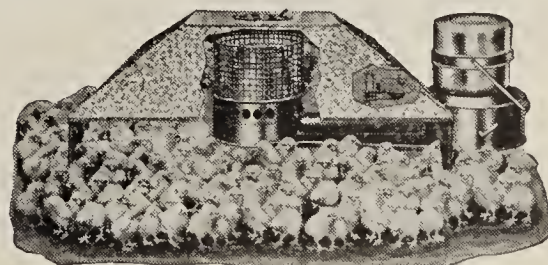
This sturdy SOL-HOT product has Instant Oil Level Adjustment, which means it can be placed on any floor and oil level immediately set by turning small lever. The famous SOL-HOT Wickless Burner, which produces intense, economical blue flame, is standard equipment along with a cast-iron burner base which means economical low flame operation during warmer spring months.

AUTOMATIC TEMPERATURE CONTROL is maintained by large double thermostatic wafe which holds even temperature under canopy. Because of Sheer Patented Fuel Vaporizer Ring, this brooder efficiently burns distillate as well as coal oil. Guard screen for chick protection is provided. Glass container means visible oil supply at all times. Brooder burner base is made of strong steel material, absolutely rigid, insuring long life. Finished in attractive lacquer. Canopy is of sturdy construction, unusually heavy material, with top center damper to regulate room circulation of heat, if desired. Canopy easily assembled.

No. FH-40—Feather-Heat, 36-inch canopy; shipping wt., 41 lbs.. Price, f. o. b. Tulsa, \$10.50.

No. FH-41—Feather-Heat, 46-inch canopy; shipping wt., 47 lbs. Price, f. o. b. Tulsa, \$12.00.

No. FH-42—Feather-Heat, 56-inch canopy; shipping wt., 53 lbs. Price, f. o. b. Tulsa, \$13.50.



TOP ZOL

Prepared rat bait. Ready for instant use. This is made from red squill and relatively harmless to man, domestic animals, poultry, dogs and cats. Package of 10 baits for 15c.

GOLD LEAF TOBACCO POWDER

Controls round worms in poultry. Contains not less than 1% nicotine, and requires 2 lbs. Gold Leaf Tobacco Powder to 100 lbs. of Laying Mash. 2-lb. pkg., 25c; 10-lb. pkg., 90c.

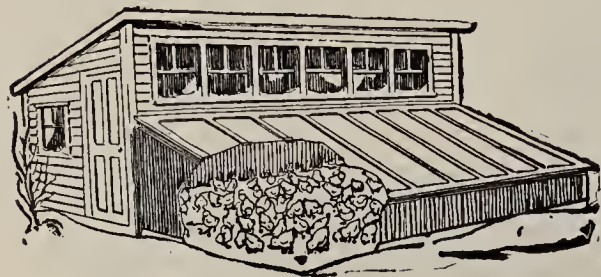
EVER GREEN
 KILLS ANTS AND GARDEN INSECTS



Poultry Supplies (Cont.)

VIO-RAY WINDOW FABRIC

Vio-Ray is made with a new coating process which assures longer life. Is nearly 100% moisture-proof and has greater flexibility. It is weatherproof and does not rot like ordinary cloth window materials. Vio-Ray transmits the ultra-violet rays of the sun, which increase egg production, save baby chicks, and promote health and growth in animal, plant and human life. It is used for poultry houses, hog houses, cold frames, hot beds, porches, dairy barns, rabbit hutches, etc. Price per square yard, 30c; 25-yard roll, 36 inches wide, at 25c per square yard.



CEL-O-GLASS

The real glass substitute for poultry houses, chicken coops, brooder coops for windows, greenhouses, hot beds, cold frames. Is hail-proof, snow-proof, wind-proof, practically indestructible. Easy to put on; no putty or costly sash bars—just tack in place from rolls three feet wide and any length to 100 feet. Made from best grade screen wire and holes are filled in with a preparation that resists rain, hail, snow or wind.

Price, 1 piece, 1 foot long and 3 feet wide, or 3 square feet, 40c. Price, original roll, 100 feet long and three feet wide, \$35.00, f. o. b. cars, Tulsa.



OAK'S CHICK FEED TROUGHS

These Feed Troughs can be used for chicks or growing stock and are used abundantly under brooders for the feeding of starting feeds and chick feeds of any kind.

Length 20 inches, 20 feeding holes. Price, 30c; postpaid, 40c.

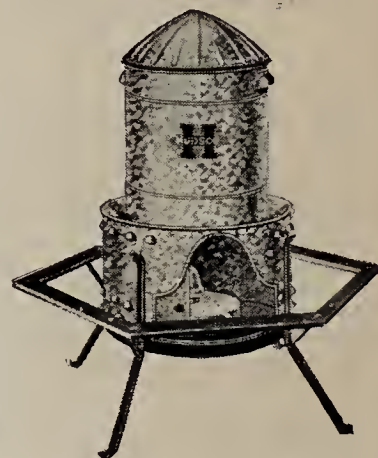
HUDSON HEATED WATERER

Controlled by float valve arrangement, keeping the water at exactly the right level in the drinking pan. It is as easy to fill as a bucket. Made of heavy galvanized rust-resisting copper alloy steel sheets.

8 gallon with single burner flueless lamp.....Each \$6.50

8 gallon equipped for electric heat (no bulb furnished).....Each 7.50

Stands can be furnished for above fountains at \$2.00 each.



Hudson Heated Waterer

OAK'S ROUND BOTTOM CHICK TROUGH

Hinged Wire Guard



This chick trough has round bottom with edges turned in to prevent waste. Horizontal wire guard prevents chick getting into trough and may be moved to one side for easy filling or cleaning. Made of heavy galvanized steel in two lengths.

No. 3518—18-inch. Each 25c; doz.\$2.25

No. 3524—24-inch. Each 30c; doz.3.00



THE EVER-READY FLOAT VALVE

Positive Shut-off—No Springs.

The valve is constructed of solid brass and copper with rubber valve washer. Copper float is small, for use in narrow troughs, and can be thrown back out of the way when cleaning container.

Float arm is adjustable so that water level can be changed without moving pipe. The valve washers cost less than 1c each and can be replaced without removing valve from water pipe.

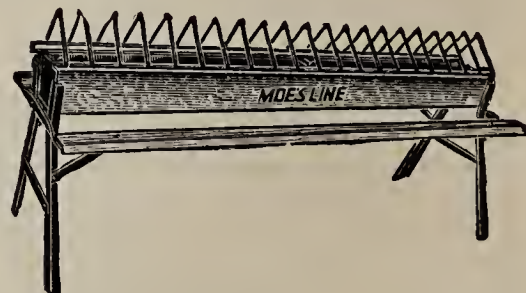
Valve seat is so constructed that sand or other foreign matter will not prevent valve from shutting off. Price, \$1.05 each.

HUDSON GREEN OR WET MASH FEEDER

WITH STAND

Capacity 100 to 125 hens. Trough 5 inches deep, 8 inches wide. Rolled edges add strength to pan, prevents birds from injuring wattles. Height of trough above perches adjustable. Trough removable for cleaning.

No. G4S—Length four feet; each.....\$3.25



RELIABLE GAS THERMOSTAT

This Gas Thermostat is simple to install on your brooder, and easy to operate. It is equally efficient with all kinds of gas. The double wafer is extremely sensitive to slightest temperature change, and is thoroughly tested before it leaves the factory to insure reliability at any brooding temperature. No rubber or composition in the construction of this Thermostat. The valve and seat are made of brass, so shaped that they cannot stick, and will wear indefinitely. The working parts are protected from damage by a metal cage. Price, each \$5.00.

Poultry Supplies (Cont.)

HUDSON INSULATED FOUNTAIN



Hudson Insulated
Fountain

This Fountain operates on the fireless cooker plan. In the winter it is filled with water at about 100 degrees Fahrenheit. The insulated jacket cover is then slipped into place and locked into position by the special latch. THAT IS ALL. No clamps, valves or corks to adjust and pull out. Water placed in fountain at 100 degrees with the outside temperature at zero will remain unfrozen for many hours. This fountain is very desirable for use in hot weather as it will keep the water cool for a considerable time.

PW6—6 Gallon Capacity, each.....\$4.25
PW3—3 Gallon Capacity, each..... 3.65

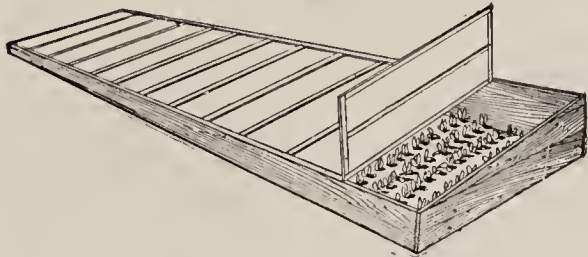
Four-inch bases for above fountains can be furnished at 60c extra for the 3-gallon and 80c extra for 6-gallon.

F. AND E. CHICK PICK REMEDY

At the first sign of cannibalism you should use some F. and E. Chick Pick Remedy, a blood colored non-injurious ointment. One taste is enough to discourage the most persistent cannibal. This is not a new product, but one that has been tried and proven for five years. 4-oz. size, 25c; 8-oz. size, 40c.

FLEX-O-GLASS

A glass substitute.



Used for poultry houses, hotbeds, cold frames, sleeping porches, etc. Water-proof, dust-proof, weather-proof. Chicks raised under genuine Flex-o-Glass get highest percentage of Ultra-Violet Rays. Develop strong, healthy bone and bodies. They are free from weak legs and other dreaded diseases and require less time and attention. Flex-o-glass withstands snow and sleet. Won't break or shatter. 10-yard roll 36 inches wide, \$2.40 each; 15-yard roll 36 inches wide, \$3.40 each. Postage or express extra.

We carry a complete line of Poultry Foods.
Write us for special low prices.

HUDSON EASY FILL FOUNTAIN

Five-Quart Capacity

The pail snaps onto bottom on the glove fastener principle and may be carried by the drop handle provided. Sloping prevents roosting. Easy to fill. Easy to clean.

C1G—Each\$.70

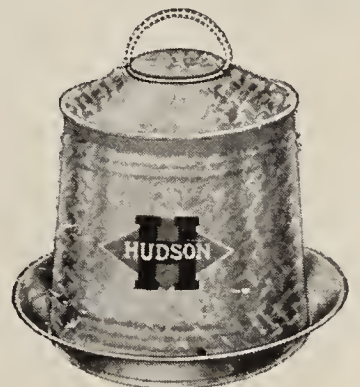
HUDSON HANDY FILL CHICK FOUNTAIN

Made of heavy galvanized iron. Top has two-way swinging bail for carrying when filled. One-piece drinking pan has smooth rolled edges. Easy to fill—easy to clean.

Two-Gallon Size, each\$1.10
Three-Gallon Size, each 1.40



Hudson Handy Fill Chick
Fountain

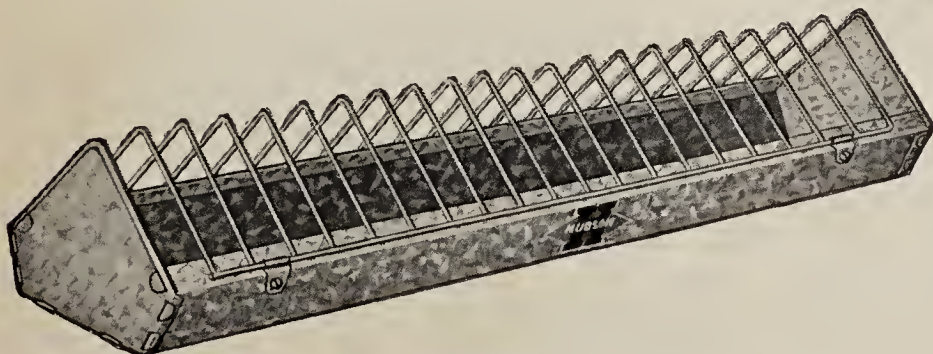


Easy Fill Fountain

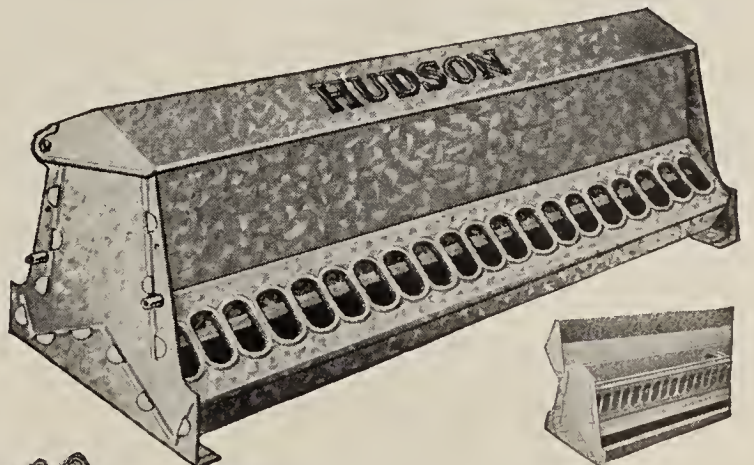
HUDSON GROWING CHICK FEEDERS

A large capacity for baby chicks and growing birds. Tapered hopper prevents clogging. Hinged grill keeps baby chicks out of feed and prevents waste. Cover hinged.

No. CF24N—24 inches length, each.....\$1.25
No. CF36N—36 inches length, each..... 1.70
No. CF48N—48 inches length, each..... 2.10



Hudson Chick and Broiler Feeder



Hudson Growing Chick Feeder

HUDSON CHICK AND BROILER FEEDER

This new feed trough is especially designed for taking care of large numbers of chicks from about two weeks old until ready for the broiler market. 6½ inches deep, 3 in. wide. No sharp, exposed edges.

G30—Feeder, length, 30 in. Each.....\$1.25
G48—Feeder, length, 48 in. Each..... 1.60

Poultry Remedies



CARBOLA A WHITE paint and powerful disinfectant in powder form. Quickly mixed with water—no waiting or straining. Applied with brush or sprayer to all surfaces.

Does not flake or peel off. One pound covers 100 square feet. Agricultural colleges and experiment stations highly recommend it for cleanliness and prevention of disease in—

Poultry Houses: To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. The dry powder is an excellent louse powder.

Barns and Stables: To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease and other contagious diseases.

House and Garden: Carbola applied to walls and ceilings of cellars will kill bad odors, mustiness, prevents cobwebs, disease germs, drives out spiders, ants and other insects. Dust Carbola on rose bushes, peas, cabbage, tomato plants, etc., to help rid of insects and worms. Spray it on trees and tree trunks.

Satisfaction or money back. 5-lb. pkg., 75c; 10-lbs., \$1.25.



Most people lose half of every hatch and seem to expect it. Chicken cholera or white diarrhoea is the trouble.

Avicol is easily given in the water for either the prevention or treatment. Thousands of poultry raisers who have used Avicol are unanimous in their praise of it. Price, 50c; large size, \$1.00—holds

2½ times the 50c size.

WALKO WHITE DIARRHEA REMEDY

Don't wait until White Diarrhea has taken half of your hatch. Prevent it. There is no place where the old adage "A stitch in time saves nine" applies as well in getting ahead of disease. There is scarcely a hatch without some infected chicks. Don't let these few infect your entire hatch. Give WALKO in all drinking water for the first two weeks and you won't lose one chick where you have lost dozens.

Regular size, 50c; extra large pkg., \$1.00. The dollar pkg. contains 2 1/3 times as much as the 50c package.

SODIUM FLOURIDE FOR CHICKEN LICE

United States Government recommends new chemical. Destroys even young lice as they hatch.

Poultry raisers need guess no longer as to the best method of getting rid of poultry lice. After many tests, the U. S. Department of Agriculture has found Sodium Flouride superior to any other preparation for this purpose. They say it kills both old and young lice, including unhatched lice present at the time of treatment. Full directions are on every can of S. F. for use in three ways, either by dip, dusting, or pinch methods. Prices: ½-lb. can, 15c; 1-lb. can, 25c; 10 lbs., \$2.35. This is a poison and cannot be mailed.



The Over-Night Roup Remedy

Roup-Over clears the air passages with magic quickness. Gets rid of the mucous and catarrhal discharges.

Promptly controls the disease and exerts an antiseptic, soothing, healing action on membranes.



Can be used either for individual treatment of severe cases, or administered as a vapor to several birds at the same time, or can be placed in the drinking water as a preventive for the whole flock. Regular size bottle, 50c.

Large size, 3 times 50c size, \$1.00.

C-A WORM CAPSULES

A Parke Davis Product

One treatment kills both large roundworms and tapeworms in chickens and turkeys. Individual treatment is recommended by practically all poultry authorities. C-A Worm Capsules are so easy to give that 200 or more birds can be treated in an hour. Parke Davis booklet on Poultry Worms mailed on request. Capsules are packed 50 in a package.

No. 195—For young birds.....Per pkg. \$.90

No. 196—For adult birds.....Per pkg. 1.25

VACCINATE NOW

For the Prevention and Treatment of Roup, Chicken Pox, Diphtheria, Canker, Colds, Catarrh, Cholera, etc.

Vaccination is simple and easy. An adult with one child as a helper can vaccinate 150 to 200 fowls and hour.

Vaccination is the one safe, inexpensive and scientific method of controlling these diseases. It reduces losses to a minimum and saves a large percentage of birds already infected.

A. S. L. AVIAN MIXED BACTERIN

THE ORIGINAL

is produced only by the American Scientific Laboratories, Inc., under Veterinary License No. 165, issued by the U. S. Department of Agriculture.

60 doses, \$2.00; 250 doses, \$5.00; 500 doses, \$7.50; Syringe and Needles, \$1.50, postpaid, with full instructions.

Properly stored, A. S. L. Bacterin will retain its potency until the date shown on package—two years from date of manufacture.

FREE—New customers ordering both syringe and bacterin (any size) will be given FREE a \$1.00 package of GALLICURA TABLETS, the real White Diarrhea and other bowel disease preventive. Start the season right. It will pay you to vaccinate every bird you own.

DON SUNG

Don Sung (Chinese for egg laying) is a scientific tonic which improves the hen's health, makes her stronger and more active and tones up the egg-laying organs.

Don Sung is easily given in feed, and costs nothing to try. It is used by thousands of successful poultry raisers the world over.



Regular size, 50c. Large size, \$1.00; holds 3 times the 50c size. Special size, \$5.00; holds 6 times the \$1.00 size.

LEE'S GIZZARD CAPSULES

A wonderful invention for Worms in poultry. An insoluble capsule carrying a triple combination for Tape Worms, Round Worms and Pin Worms. Being insoluble, it passes through the mouth, throat, crop and stomach of the fowl to the gizzard, where it is ground up like a grain of corn, pouring the full strength, undiluted medicine directly into the intestines upon the worms.

Adult size, 50 cap. pkg., \$1.00; 100 cap. pkg., \$1.75; 250 cap. pkg., \$4.00; 500 pkg., \$7.00, postpaid.

Chick size, 50 cap. pkg., 65c; 100 cap. pkg., \$1.00; 250 cap. pkg., \$2.50, postpaid.

Pullet size, 50 cap. pkg., 75c; 100 cap. pkg., \$1.35; 250 cap. pkg., \$3.00, postpaid.

Poultry Remedies (Cont.)

LEE'S GERMOZONE

Marvelous for Poultry

Without a doubt, Germozone is the most widely used poultry remedy on the market today. Its unusual popularity is due entirely to the merit of the product. Germozone is especially valuable in preventing and controlling the diarrhoeas and digestive disorders of little chicks and grown fowls. The regular use in the drinking water every other day is a big factor in preventing disease among poultry.

12-oz. bottle, 75c; 32-oz. bottle, \$1.50.

LEE'S FLU-KOFF EMULSION

12-oz. bottle, \$1.00.

Lee's 64-page Book on Poultry Diseases mailed on request.

LEE'S VAPO-SPRAY

Treat the Whole Flock

Diseases of the breathing passages spread rapidly. One sick bird is a warning that others are very likely infected and will come down unless all are correctly and promptly treated. With Vapo-Spray the whole flock is treated as one, and at small expense, with this latest scientific treatment. Simply spray in the air of the henhouse at night. All the birds breathe the vapor of its healing oils. Quart, 75c; ½ gal. \$1.25.

CARBOLINEUM

Used for Three Distinct Purposes

1. Preserves wood everywhere against rot and decay and adds at least 100% to the life of fence posts, poles, sills, floors, bridge timbers, porches, wood imbedded in concrete, etc. On account of its nice brown color it is also a suitable wood preserving stain for shingle roofs, bungalows, cottages, farm buildings, silos, ice houses, boat houses, garages, poultry houses and hog pens.

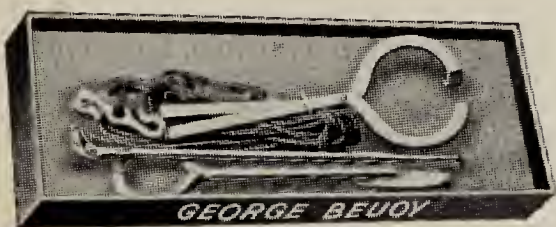
2. Kills Chicken Mites in poultry houses. Apply once a year. GUARANTEE—We guarantee that one thorough application of Avernarius Carbolineum either by brush or sprayer to the interior walls, dropping boards, roosts, etc., to such buildings, after a previous cleaning and no matter whether they are of wood, tar paper, or plaster, will exterminate mites in the same FOR A WHOLE YEAR.

3. Keeps flies from cattle, horses and hogs. You can make the best fly spray by using one part of Avernarius Carbolineum to three parts of machine oil. This spray used as per our directions. It is an excellent disinfectant in hog pens and is also used for general stable disinfection. Gallon cans, \$1.50.

Ask for quantity prices.

CAPONIZING SETS

CAPONIZING SETS. Poultrymen can double their profits by caponizing. The operation is very simple, and the instructions are so full and explicit that any man, woman or child, after careful reading, will be able to perform the operation. It is highly successful from every point of view. The object in caponizing is to greatly increase the weight of the fowls, causing them in many cases to grow as large as turkeys, and weigh from 10 to 15 pounds, and the meat is of fine flavor, sweet, juicy, and tender.



BEUOY'S SPOON SET

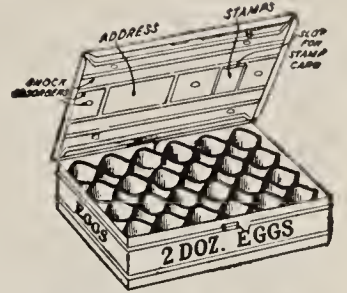
The Spoon Set contains Combination Tissue Hook, Probe and Gland Remover, made of compressed aluminum. Each combination used at one time in order named without necessity of three different instruments. Price, \$2.50.

SELL EGGS BY MAIL

to Your Friends

Shipped in
Aluminized
METAL EGG
CRATES

Can be Used
Many Times



Indestructible; pays for itself in a few shipments; lasts for years; makes interchangeable shipping easy. Buy yours now and realize more money for your eggs. Your friends want them.

The Metal Egg Filler is a wonder. A new invention and cannot be beat for safety carrying eggs by mail. Light in weight but strong. Two-dozen egg size, each, 75c; 3-dozen egg size, 90c; 4-dozen egg size, \$1.10; 6-dozen egg size, \$1.50.

Add postage for 4 pounds to the price of each box.

EGG CARTONS

Pasteboard holds 1 dozen. \$1.00 per 100; \$8.50 per 1000.

CHALK NEST EGGS

They look like real hen's eggs. They are made from pure sterilized sulphate of lime. This product is well known among poultry raisers for its value in keeping nests in clean, healthful condition. These eggs do not break or crumble. Price per dozen, 50c, postpaid.

LICE REPELLING NEST EGGS

Not only act as a nest egg, but will rid the nest of mites and lice at the same time. Dozen, 65c; postpaid, 75c.

CAL-CARBO

CAL-CARBO—Pulverized Limestone. 98-99% Pure Feeding Limestone ground to floury fineness. Readily soluble and easily assimilated. In a 180-day test conducted at the Kansas State Agricultural College with several lots of beef cattle, Professor McCampbell found that by adding one-tenth pound of Cal-Carbo to the daily grain ration of those fed prairie hay the profit was increased \$7.69 per head over those fed the same ration and prairie hay without Cal-Carbo. The lot fed Cal-Carbo with prairie hay produced results equal to similar lot fed alfalfa hay. Cal-Carbo is packed in 100 lbs. for \$1.15.

Ask for the lowest price when in the market for any of our Poultry Foods.

We also carry a large stock of the following: Screened Corn Chop, Cornfed Meal, Alfalfa Meal (fine), Pulverized Oats, Gluten Feed, Bran, Shorts, Linseed Meal, Cotton Seed Meal, Kafir Corn, Wheat, Oats, Corn, Dairy Feed, Water Grass.

If interested in any of the above, please ask for lowest market price when ready to buy.

LEE'S LICE LIQUID

A double-barrel Killer—Destroys Lice and Mites.

It is designed to kill both lice and mites with one easy application and without individual handling of the birds. It works while the birds sleep. Simply paint the roosts and dropping boards liberally with full strength Lee's Lice Killer about thirty minutes before the flock goes into the poultry house for the night. The fumes rising from this preparation kill the body lice. For mites Lee's Lice Killer should be sprayed into all cracks, crevices, joints of walls, roosting places and nest boxes. Quart cans, 60c; gallons, \$1.50, f. o. b. cars Tulsa.

Poultry Foods

PERFECTION BRAND SCRATCH FOOD—For laying hens; keeps them in good health the year around. Produces good results. Our Poultry Food is made of good, sound grains and seeds, all cleaned and screened before mixing, and is without dust, meal, or waste of any kind. Market prices.

LIMESTONE GRIT—Hen and chick size. 25 lbs., 40c; 50 lbs., 75c; 100 lbs., \$1.00.

SURE EGG LAYING MASH—An excellent egg-producer; strong in egg-making qualities; nothing like it to make hens lay in winter. Market prices.

GROUND BEEF SCRAPS—Feed three times a week at the rate of about a handful to every three birds in the morning meal of hot food, or keep in a hopper before the fowls, allowing them free access all the time. Lb., 5c; 25 lbs., 70c; 50 lbs., \$1.40; 100 lbs., \$2.60.

FINE GROUND BONE—For mixing once a day with soft food, this is unsurpassed. Lb., 10c; 10 lbs., 50c; 100 lbs., \$2.25.

PERFECTION CRUSHED OYSTER SHELL—To a large extent, will supply the necessary material for grinding their food and at the same time the lime for egg shells. Chemical analysis, together with the reports from experienced poultry men, show that ordinary grain and green food supplied to the laying hens do not contain enough lime for egg shells. It requires several times as much lime as is ordinarily fed, if good, strong egg shells are to be produced. Crushed oyster shells will supply this lime, if kept continually before the fowls, trusting them to eat the amount necessary. 50 lbs., 55c; 100 lbs., 85c.

PERFECTION BRAND CHARCOAL—Specially prepared for poultry. Feeding charcoal purifies the blood, prevents disease, and is a sure cure for sour crop, diarrhoea, etc. Put up in two grades, fine granulated, for use in mash mixture, and coarse for hopper feeding. Lb., 10c; 25 lbs., 85c; 50 lbs., \$1.25.



The Original—Makes Husky Chicks

A ready prepared feed for baby chicks and all self-feeding young fowls. Composed of buttermilk, pinhead oatmeal, a special wheat middlings, whole cornmeal, corn feed meal and granulated bone. Contains all elements needed for safely starting baby chicks, ducklings, goslings, poults, pheasants, quails, grouse, etc.

FEED IT FIRST EIGHT WEEKS

Conkey's is all the chicks need the first eight weeks except greens, charcoal, grit, clean water, and some fine scratch grains in the litter for exercise. Give grit and water from the start. During the second week add green stuff and in the fourth week finely cracked chick grains, like CONKEY'S CHICK GRAINS. Write for prices.

Conkey's White Diarrhea Remedy will prevent the most fatal of all diseases of young chicks, 60c. Roup remedy, 60c. Cholera remedy, 60c. Add 5c for postage.

CONKEY'S FEEDS

It's not the first cost—but it's what is in the bag that makes the profit.

Conkey's Buttermilk Growing Mash now vitalized with Y-O.

CONKEY'S GECCO MASH 20 per cent Protein with or without Y-O.

Conkey's GECCO Laying Mash contains 20 per cent animal food. Animal food (meat scraps, buttermilk, insects, etc.) has a marked effect on egg production; i.e., in the spring when insects are abundant almost every hen will lay. With the approach of hot weather insect life becomes scarcer and hens left to hunt their own food soon cease to produce. One of the big secrets in feeding is to supply sufficient animal food at all times.

The kind and quality of animal food incorporated in a mash will also largely control the health and mortality of the flock. Too much meat scraps will overwork the egg organs and cause high mortality. Too much milk will molt the birds prematurely. It takes a combination of buttermilk and meat scraps for best results and that is what is used in Conkey's Gecco Egg Mash.

EPSOM SALTS—Lb., 10c; 10 lbs., 60c; 100 lbs., \$4.00.

TOBACCO DUST—Lb., 10c; 25 lbs., \$1.75; 100 lbs., \$5.50.

PERMANGATE OF POTASH—Lb., 35c; 5 lbs., \$1.50.

DRIED BUTTERMILK—Lb., 10c; 25 lbs., \$2.00; 100 lbs., \$6.50.

COMMERCIAL SULPHUR—Lb., 10c; 25-lb. lots, \$1.75; 50 lbs., \$2.50.

HYDRATED LIME—40-lb. sack, 50c.

MINERAL GRIT FOR PIGEONS—Lb., 4c; 100 lbs., \$1.90.

TOBACCO STEMS FOR PIGEON NESTS—4c per lb.

MIXED PIGEON FEED—Ask for prices.

PURE COD-LIVER OIL—\$1.50 per gallon.

PERFECTION LAYING MASH. 20% Protein with Dried Buttermilk. Made from the A. & M. formula. A real feed at a low price. Prices gladly quoted on request.

PERFECTION GROWING MASH makes husky chicks. With Conkey's Y-O (Yeast and Cod Liver Oil). A growing mash at reasonable price that will produce satisfactory results. Price on request.

Use Fertilizer for Bigger and Better Crops

SWIFT'S RED STEER FERTILIZERS

We can quote attractive prices on one bag to a carload. The following are carried in stock:

	Nitrogen	Phosphate	Potash
RED STEER	4%	8%	6%
RED STEER	4%	8%	10%
RED STEER	4%	12%	4%
SUPER-PHOSPHATE		18%	

Prices gladly quoted on request.

SULPHATE OF AMMONIA. Used for its nitrogen. Very desirable for all plants in which leaf development or rapid growth is desired. Lb., 5c; 25 lbs., 80c; 100 lbs., \$2.50.

NITRATE OF SODA. A fertilizer very quick in action and hastens the maturing of crops. Lb., 5c; 25 lbs., \$1.00; 100 lbs., \$3.00.

BLOOD MEAL. Lb., 10c; 25 lbs., \$1.25; 100 lbs., \$4.50.

Prices subject to change without notice. Write for prices on larger lots.

MURIATE OF POTASH. Used for its ability to increase fiber development in plants, to hasten maturity and to increase the size and weight of all root crops. Lb., 5c; 25 lbs., 90c; 100 lbs., \$3.25.

RAW BONE MEAL. An excellent dressing for garden crops and flowers. Supplies phosphates. Lb., 5c; 25 lbs., 90c; 100 lbs., \$3.00.

SHEEP MANURE

Is a highly concentrated weedless manure uniformly pulverized. It is safe and highly dependable for home lawns and gardens. For lawns, use 6 to 10 lbs. to 100 square yards and rake into surface soil. For gardens mix a handful under each new plant, more for shrubs. For old plants, use 12 lbs. per 100 square feet.

Price: 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs. at \$1.90 per 100 lbs., f. o. b. cars, Tulsa.

Bird Supply Department

CANARY BIRDS

Our prices are always in accord with the quality; that is why we say that if a bird does not sing, you can exchange it. Write us about what you want. You may be sure that in ordering from us you will get the best the market affords, as our Bird Department buys only the very best.

	Each
Imported St. Andreasberg Roller singers.....	\$5.00
Imported Hartz Mountain singers.....	4.75
Native Hartz Mountain singers.....	4.00
Native Hartz Mountain females.....	1.00
Imported St. Andreasberg females.....	4.00



SONG RESTORER

SPRATT'S BIRD REMEDIES

Canary Seed Mixture with Egg and Fruit. Contains a combination of the choicest seeds and will improve the health of songsters and develop their singing powers. 15-oz. pkgs., 25c each; dozen, \$2.50.
Spratt's Moulting Food. Pkg., 25c.
Spratt's Sing Song—An appetizing food for all songsters. Each, 15c; per dozen, \$1.40.
Spratt's Red Mite Trap. Each, 25c.
Spratt's Cod Liver Oil Food. Each, 25c.



BIRD SUPPLIES

	Each	Dozen
Seed Cups, glass	10c	\$1.25
Seed Cups, Oval	10c	1.25
Bird Baths, Oval	20c	1.80
Brass Cage Springs	15c	
Bird Manna	15c	1.50
Haller's Bird Pie	15c	1.50
Cuttle Bone	5c	.40
Philadelphia Bird Bitters	25c	2.75
Philadelphia Mite Powder	25c	2.75
Philadelphia Song Restorer	25c	2.75
Philadelphia Red Gravel	25c	2.50
Philadelphia Orange Color Food	25c	2.75
Philadelphia Bird Nesting	10c	1.10
Philadelphia Bird Seed	20c	2.25
Philadelphia Nesting Food	25c	2.75
Philadelphia Moulting Pepper	25c	2.75
Geisler's Imported Roller Seed	25c	2.75
Geisler's Mixed Parrot Seed	25c	2.75
Geisler's Mocking Bird Food	30c	3.25
Geisler's Health Food	20c	2.25
Geisler Song and Moulting Food	15c	1.50
Geisler's Song and Health Food	25c	2.75
Geisler's Moulting Food	15c	1.70
Geisler's First Aid Tonic	30c	3.00
Geisler's Pure Egg Biscuit	25c	2.75
Geisler's Song Tonic	30c	3.00
Geisler's Digestive Tonic	30c	3.00
Geisler's Cold Tonic	30c	3.00
Geisler's Blood Purifier	30c	3.00
Geisler's Health Grit	15c	1.70
Geisler's Lice Powder	10c	



BULK BIRD SEED

	Per lb.	10 lbs.
Perfection Mixed Bird Seed.....	15c	\$1.00
Canary Seed	15c	1.00
Hemp Seed	15c	.90
Flax Seed	20c	
Thistle Seed	30c	2.50
Lettuce Seed	50c	
Poppy or Maw	20c	1.50
Sweet German Rape	15c	1.25

Postage extra

Parcel Post Charges on remedies in small quantities, minimum of 10c; larger quantities at regular zone rates; packing usually requires an additional pound.

THE E WELD CAGES

Durable, glossy finish. Diameter, 11 inches; height overall, 15 3/4 inches. Wire seed guard; colored cups; three perches and swing; sliding drawer with removable mat underneath. We can furnish in Green, Blue or Black with black trim. Each, \$1.25.
Stands to match, \$1.10 each.
Height, 5 feet, 5 1/2 inches.

HENDRYX BREEDING CAGES

White enameled, equipped with solid and wire partition. Metal drawer and closed back. Four glass cups, 6 perches, 2 nests.
No. 86S—17 in. long, 8 5/8 in. wide, 12 1/8 in. high.....Each \$4.75
No. 86 —19 1/2 in. long, 9 3/4 in. wide, 13 1/4 in. high.....Each 5.50
No. 87 —21 3/4 in. long, 11 in. wide, 14 7/8 in. high.....Each 6.25

LAWN HOSE

Best quality, nonkinkable, last indefinitely. 50-ft. lengths, \$3.50 with connections.

HOSE NOZZLES

Sherman Adjustable, 40c each.



Perfection Brand Frost-Proof Cabbage Plants

To get the advantage of these frost-proof cabbage plants they must be planted a month of six weeks earlier than you would plant home-grown plants. We fill orders from December 1 to May 1.

The plants when received will be somewhat wilted and have a hard, stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearances, they will produce the crop results.

Varieties: Early Jersey Wakefield, Charleston Large Type Wakefield and Early Flat Dutch.

Prices by parcel post, postage paid: In lots of 100, 200, 300, or 400 plants at per 100 plants, 50c; 500 plants for \$1.50; 1,000 or more at \$2.50 per 1,000 plants.

Orders are filled by the 100, not 250 or 350. These prices are for even quantities of one variety to package; if you ordered 200 or one variety and 300 of another you would pay at the 100 rate.

ORDER EARLY TO GET PLANTS DELIVERED IN TIME

When we receive your order for these plants, we have to forward it to our growing station, which takes several days. Plants are shipped direct to you from our growing station. Plants cannot be pulled or shipped when beds are wet. We sometimes have a week or ten days of continued wet weather which prevents shipment. If you do not receive your plants as soon as you expect them, you will know that weather prevents shipment. Send in your order two or three weeks before you expect to set the plants and you will get them on time.

BERMUDA ONION PLANTS

Immediate shipment can be made from our growing station in Texas.

They may be set in the open field as early as you plant Onion Sets. Ask for prices on large quantities.

YELLOW BERMUDA PLANTS at 35c per 100; \$1.25 per 1,000; \$5.00 per 6,000, delivered by express.

CRYSTAL WHITE WAX PLANTS, 35c per 100; \$1.50 per 1,000; 6,000 for \$6.00, delivered by express.



Germaco

Hotkaps

New Method of
Plant Protection

NEW METHOD OF PLANT PROTECTION

A Money-Maker—matures crops earlier; shields plants from frost, wind and rain; protects them from insects; miniature "hot-houses". An amazing invention—crop INSURANCE. A revolutionary device that saves farmers much in time, labor and money. One roll of a thousand, \$9.50. Special trial package of 250 with garden "setter", \$3.50. Postage or express extra. 100, \$2.25; Steel Setter, \$2.50 each.

Garden Setters, 35c each

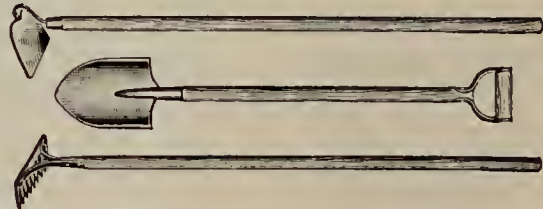


Village Blacksmith Garden Tools

SHORT HANDLE GARDEN SET

This little short handle set is particularly convenient for working around borders. The handles are approximately three feet long.

Per set of three95c



GARDEN TOOLS

One-Piece Pressed Steel; Blue Lacquer Finish

No. 82—Garden Weeder, postpaid.....20c

No. 80—Garden Trowel, postpaid.....20c

No. 81—Transplanting Trowel, postpaid.....20c

Set of 3 (one each of the above tools in carton) postpaid.....55c

Blade and handle formed from a single piece of smooth, heavy cold-rolled steel. Nothing to break, bend or come apart.



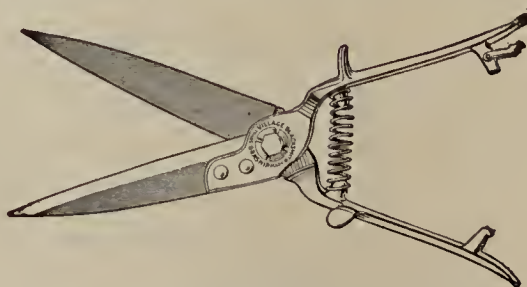
GARDEN TROWEL

Six-inch, one-piece crucible steel blade and socket. Very substantial. Each, 45c.



No. 660—HEDGE SHEARS

Six-inch blade, 6-inch handle. Serrated cutting edge. A lighter, quicker cutting shear made for new growth hedge, topping shrubs and grass. Each, \$1.30.



No. 1 GRASNIP

Length over all, 13 inches. Tempered, full hollow ground cutlery steel blades. Responsive, smooth and easy spring action. Weight, 1 lb. each. Price, 80c each.

Will be glad to furnish more of each when wanted.

MUSKOGEE, OKLAHOMA

Amount Enclosed

How to be sent: Mail, }
Express or Freight {

Total - - \$.....

Date, 19.....

Shipped

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NOTE: PLEASE LIST PLANTS WANTED ON REVERSE SIDE OF THIS SHEET

NOTE: PLEASE LIST PLANTS WANTED ON REVERSE SIDE OF THIS SHEET

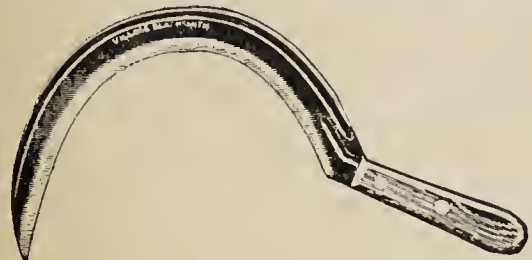
Warranty—We send out only such seeds that will, to the best of our belief, give entire satisfaction; immunity from error being, however, unattainable and success always so largely dependent on outside influences, it must be expressly understood that we give no warranty, expressed or implied, and we must not be held in any way responsible for the crop. If the purchaser does not accept these seeds on these conditions they must be returned at once, and any money paid for them will be returned.

Village Blacksmith Garden Tools



No. V2—GRASS SHEARS

Green enameled handle and spring. Straight shank. Each, 50c.



No. 4—GRASS HOOK

Cutlery Steel. Corrugated back, tempered blade, ground wide, thin and sharp. Riveted handle. Each, 50c.

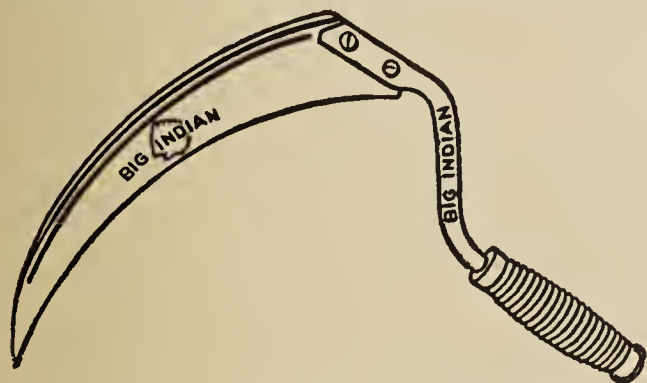
GRASS KING

Scythe pattern, mill finish blade. Each, 50c.



NO. 3—GRASS HOOK

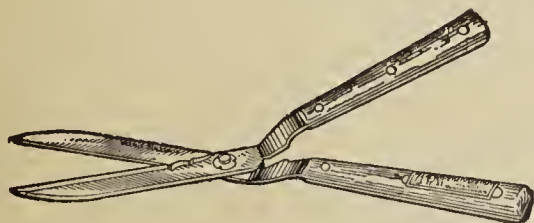
A perfect tool. Patented offset. Swings perfectly in the hand with little muscular effort. Forged cutlery steel. Tempered, ground sharp and whetted. Each, 45c.



NO. 1—BIG INDIAN GRASS HOOK

Scythe pattern. Tempered crucible steel blade, polished. Heavy aluminum bronzed malleable shank. A tool of best quality. Each, 60c.

DIBBLES' No. 2219—
Maple Handle. Steel point, 4 inches long, fastened to handle with two screws. Very substantial. Price each, 50c.



TRIMSNIIP

The Modern Hedge Shear. Lighter in weight, stronger in build, smoother in cut. The Trimsnip is eight ounces lighter than the old style hedge shear. Forge built—it is an extremely sturdy tool, comfortable in the hand. It can be operated with the least muscular effort.

No. 06—6-inch blade, wt. 1½ lbs.	Each \$1.10
No. 08—8-inch blade, wt. 2½ lbs.	Each 1.85
No. 09—9-inch blade, wt. 3½ lbs.	Each 2.00

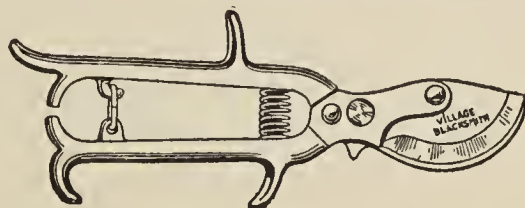


No. 6—LONGHANDLE GRASS HOOK

Twelve-inch heavy crucible blade. 43-inch ash handle. Special heavy construction of this hook makes it very serviceable. Each, 85c.

NO. 15—GRASWIP

Cut your grass and weeds without stooping. Cuts both with forward and backward swing. Made of forged tool steel. Length over all, 37 inches. Blade length, 9¼ inches; width, 1⅜ inches. Each, 90c.



NO. R10—PRUNER

A serviceable shear; oil spring. Each, 60c.



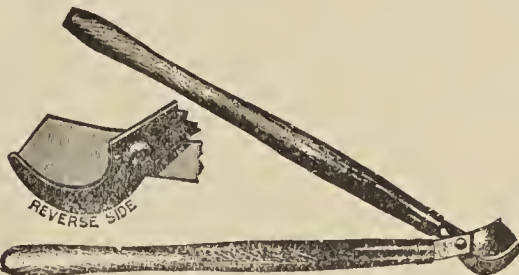
NO. V129—PRUNING SHEARS

Forged cutlery; steel blades; blue steel Volute spring. Each, 75c.



NO. V179—PRUNER

All steel, length 7½ inches. Each, 85c.



V20—LONG HANDLE PRUNING SHEARS

Twenty-six inches over all with lock nut. Notched blade. Each, \$1.50.



No. F30—SPADING FORK

Forged, 3-tine, length 11 inches. Hardwood handle. Very substantial. Each, 45c.

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Perfection Brand
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